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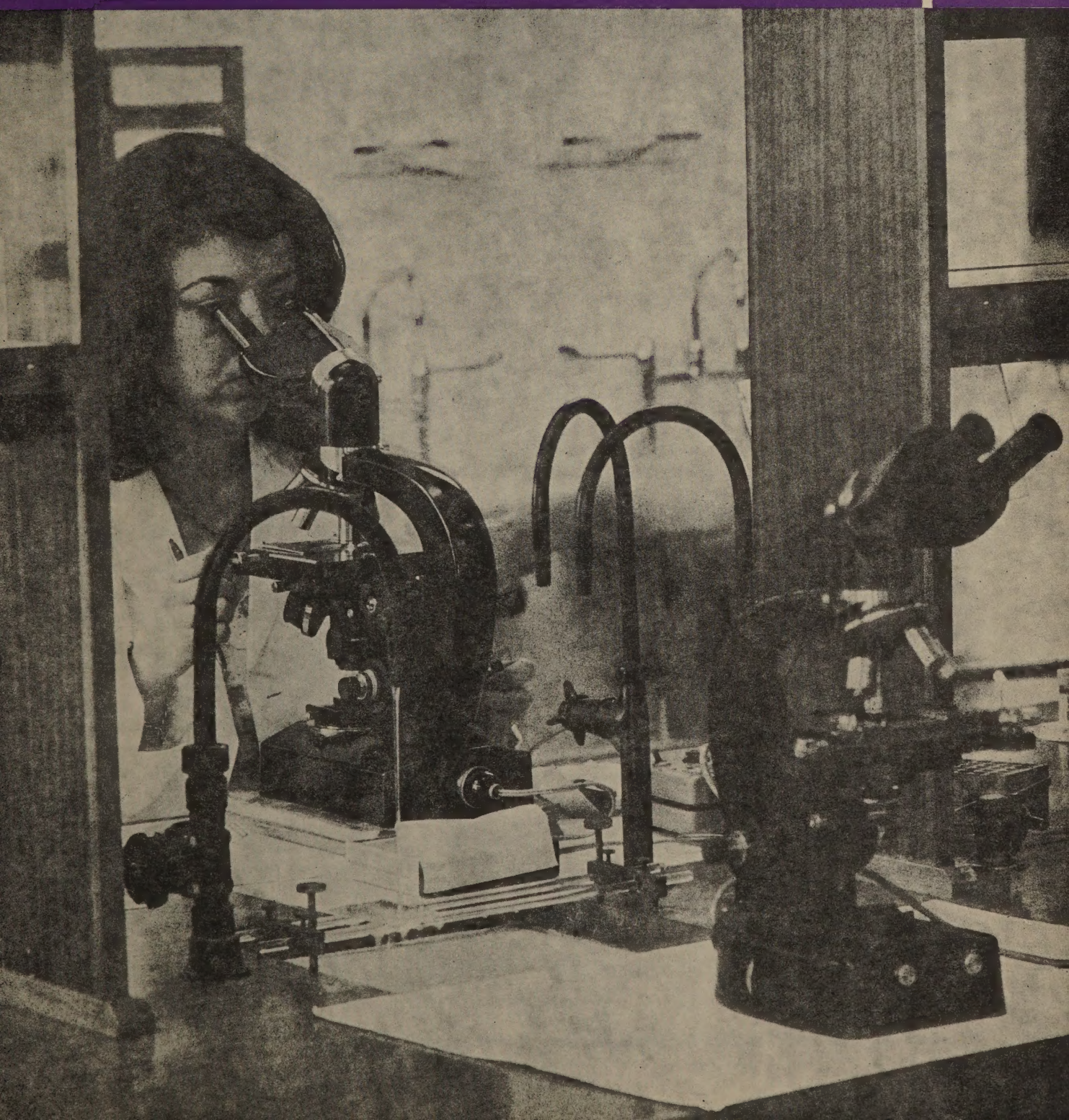
HEALTH EQUIPMENT NOTE

15

PATHOLOGY DEPARTMENT



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Health (Hospital) Equipment Note Number 15 (Revised)

Pathology Department

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1st Published in 1964 as No. 15 in the Hospital Equipment Note Series.

1. Scope

1.1 This Equipment Note gives guidance on the equipment required for an Area Pathology Department and replaces the note published in 1964. It is intended to be read in conjunction with Hospital Building Note No. 15 (Revised 1973).

1.2 No direct reference is made in this note to the specific equipment required for Public Health Service Laboratories which may be integrated within major hospital laboratories.

1.3 Post-mortem rooms, which should generally form part of the laboratory complex, have been dealt with in Equipment Note No. 20 (Mortuary and Post-Mortem Rooms).

2. General Consideration on the Use of Equipment Notes

2.1 Equipment Note No. 1 (Equipping a Hospital Building) provides an introduction to the series of departmental Equipment Notes, advice on their application, and guidance on the task of preparing equipment schedules for individual building projects. This departmental Equipment Note is intended to be used within the general planning framework set out in Equipment Note No. 1 and in the manner described therein. The equipment listed in this note is classified into four groups:—

Group 1: Items (including engineering terminal outlets) supplied and fixed within the terms of the Building Contract.

Group 2: Items which have space and/or building construction and/or engineering service requirements and are fixed within the terms of the Building Contract but supplied under arrangements separate from the Building Contract.

Group 3: As Group 2 but supplied and fixed (or placed in position) under arrangements separate from the Building Contract.

Group 4: Items supplied under arrangements separate from the Building Contract, possibly with storage implications but otherwise having no effect on space, building construction or engineering service requirements.

It is recommended that these classifications be used in all stages of planning.

3. Special Considerations in Respect of this Note

3.1 The equipment detailed in this Note is regarded as generally suitable for an Area Pathology Service Laboratory serving a population of at least 200,000, described in Building Note No. 15 (Revised) and has been listed in rooms (or spaces) related to the laboratory functions described in paragraphs 39 to 59 of the Building Note.

3.2 This Equipment Note makes no reference to requirements for automatic data processing equipment, since the installation of a computer may raise problems of some magnitude not directly related to those of providing "normal" laboratory accommodation. There are many laboratories operating data processing systems, ranging from equipment designed for specific tasks to comprehensive general purpose computing systems, but provision should be determined by the requirements of each individual scheme in the context of the whole hospital and specialised current advice should be sought during the stages of planning.

3.3 Some minor items have been grouped under general headings and these have been given aggregated cost allocations in arriving at the cost guide figures. This has been done to avoid a detailed listing of relatively inexpensive small items and to afford a degree of flexibility in their choice.

3.4 Some fixed items of equipment (Group 1) have already been mentioned and costed in the Building Note, but it has been thought useful to include them again in the Equipment Note which represents the results of a comprehensive review of the requirements. Reference should be made, however, to the Building Note—Part IV Engineering Services—for further information on the mechanical services and electrical installation. It is particularly important that before purchasing equipment requiring services there should be adequate consultation to ensure compatibility. Structural elements, floor coverings, non-specialised heating and light fittings and similar items which are basic to any building are not included in the Equipment Note: neither are window blinds and window curtain tracks since these requirements will vary with local circumstances.

3.5 It is realised that the equipment requirements in particular departments may differ from the recommendations because of the nature of work undertaken and the techniques employed; and some variations will often be necessary within the Basic Lists. As indicated in Equipment Note No. 1, Section V, the requirements will need to be examined in consultation with the head of the department or main users.

3.6 Throughout the schedule, for the sake of uniformity, references to dispenser, paper towels are associated with holders, sack, free standing. Suitable adjustments will need to be made where linen towels are to be used.

3.7 In all cases where imperial measurements have been quoted the appropriate metric equivalent may be used.

3.8 Safety precautions

3.8.1. Attention is drawn to HM(72)34, and the handbooks for staff on "Safety in Pathology Laboratories" and "Safety in the Post-Mortem Room". Reference to fire and other hazards is also made in "Hospital Equipment Information" bulletins, copies or extracts of which should be seen and noted by all who have an interest in the subject, including purchasing officers and users.

3.8.2. It is for individual hospital authorities to make rules about smoking in the hospitals under their control and management (see Hospital Memorandum HM(71)53) and accordingly no reference is made to ashtrays or to smoking throughout this Note.

3.9 "Damage by equipment to buildings"

Many items of equipment are potential causes of recurring damage to the fabric of NHS buildings and to other equipment. Damage can be minimised not only by incorporating protective materials in the building structure but also by ensuring that the equipment selected is designed to eliminate, as far as is practicable, those features which are liable to cause damage. Particular attention is drawn to BS 4322/68 which sets out recommendations for the buffering of hospital vehicles such as trolleys and refers less specifically to other categories of equipment. Precautions should also be taken to prevent damage caused by projections from stationary equipment, particularly where the angle of projection may be altered as, for example, the angle of a balkan beam fitted to a tilting bed.

Early co-operation with the architect and designers is essential.

3.10 Selection of equipment

Hospital Equipment Information bulletins frequently furnish reports on technical testing and evaluation exercises undertaken by the Scientific and Technical Branch of Supply Division. These should be carefully studied before procurement decisions are made. Further advice on the equipment mentioned and possibly associated equipment may be available in the appropriate section of the Scientific and Technical Branch as indicated in Hospital Equipment Information.

3.11 Equipment for a comprehensive laboratory division is shown under the following associated subdivisions:

3.11.1	Morbid Anatomy	Histopathology, Cytology
3.11.2	Haematology	General Haematology, Serology, Mechanised Section, Blood Transfusion
3.11.3	Chemical Pathology	General Biochemistry, Mechanised Section
3.11.4	Microbiology	Clinical Microbiology, Virology

For guidance on the provision of radioisotope services (this sub-department may not be required in every District General Hospital) see Design Guide issued with DS 288/73 dated 6 December, 1973.

3.12 Definitions of classes of equipment

3.12.1 The items of equipment scheduled below are grouped in classes. These definitions are, in some cases, very broad and different types or models included in the same equipment class will be required. Appropriate reference to the type of equipment in the following schedules is provided in the "Notes" column of the individual room lists.

3.12.2 Balances

Type A Single top pan, capacity about 200g, sensitivity 1mgm, with tare

Type B Single top pan, capacity about 1·5 kg, sensitivity 10 mg, with tare

Type C Single pan, capacity about 100g, sensitivity 0·01 mg, with tare

Type D Centrifuge tube, capacity 500g

Type E Centrifuge tube, capacity 2 kg

3.12.3 Centrifuges

Type A Refrigerated with accessories as specified:

(i) to accommodate 16 x 15 ml containers
(ii) to accommodate 8 x 50 ml containers
(iii) to accommodate 8 x 100 ml containers
(iv) to accommodate blood bottles
(v) to accommodate blood bags

Type B Small bench model, including accessories, to accommodate 6 x 15 ml containers and 4 x 50 ml vessels

Type C Large bench model with accessories as specified:

(i) to accommodate 24 x 15 ml containers
(ii) to accommodate 12 x 50 ml containers
(iii) to accommodate 6 x 100 ml containers
(iv) to accommodate 4 x 200 ml containers

Type D Micro Haematocrit type

3.12.4 Microscopes

Type A Simple monocular type, with fixed stage, eyepiece to provide x 6 or x 10 magnification and objectives to provide x 10 and x 40 magnification.

Type B/D Binocular type, with mechanical stage, eyepiece to provide x 6 and/or x 10 magnification and objectives to provide x 10, x 25, x 40 (oil immersion) magnification. Medical staff in histopathology and cytology will require a microscope (Type D) with objectives to provide x 2·5, x 6·3, x 16 and x 40 with x 100 (oil immersion). Also, as specified, facilities for projection or dark ground illumination or fluorescence or phase contrast microscopy. In certain cases attachments for photomicrography will also be required.

Type C Dissecting, binocular, stereo type

Type E Binocular type, with mechanical stage, eyepieces to provide x 6 and x 8 magnification and objectives to provide x 5, x 10 and x 40 objectives

3.12.5 Ovens, incubators and water baths
These are defined by an approximate indication of the internal dimensions and by an approximate indication of the highest temperature at which the working space may be maintained. In some cases a model operating at a single, pre-set temperature may be preferred.

3.12.6 Refrigerators and low temperature cabinets
These are defined by an approximate indication of the volume of the working space. Unless otherwise specified, low temperature cabinets are assumed to have a working temperature of approximately —30°C.

4. Cost

4.1 Guidance on the cost of equipping this department to the standard shown in this schedule is given against the list of equipment, (Groups 2, 3 and 4 only) for each laboratory space or room. Departmental cost summaries are shown in Appendix 8.1. to this Note. In using these cost figures, the considerations referred to in Section IV of Equipment Note No. 1 together with paragraph 2.1. of this Note, should be borne in mind.

4.2. Costs are based on prices prevailing at the time of compilation of this Note. Departmental Cost Summaries are revised in accordance with the movement of prices and are promulgated by the Department as Equipment Cost Allowance Guides.

5. **Basic Accommodation—Primary Space**	Page reference	Computer Room Codes
5.1 MORBID ANATOMY DEPARTMENT	—	—
5.1.1 Histopathology	—	—
5.1.1.1 Speciment cutting and tissue processing	5–6	20840
5.1.1.2 Formalin specimen store	6	32050
5.1.1.3 Section cutting	7	20850
5.1.1.4 Staining	7	20860
5.1.1.5 Chief Technician	8	72070
5.1.1.6 Special techniques	8	20870
5.1.2 Cytology	—	—
5.1.2.1 Routine methods	9	20880
5.1.2.2 Special methods	9	20890
5.1.3 Office/Laboratories	—	—
5.1.3.1 Consultant (office area)	10	72080
5.1.3.2 Consultant (laboratory area)	10	
5.1.3.3 Second-in-command (office area)	11	72090
5.1.3.4 Second-in-command (laboratory area)	11	
5.1.3.5 Registrar	12	72100
5.2 HAEMATOLOGY	—	—
5.2.1 General Haematology	—	—
5.2.1.1 Prep. routine stains, bone marrow, special stains, ESR	12–13	20900
5.2.1.2 Routine screening	13	20910
5.2.1.3 Urgent tests, special tests and equipment	14	20920
5.2.1.4 Chief Technician	14	20930
5.2.1.5 Coagulation and electrophoresis	15	20940
5.2.1.6 Microbiological assays	15	20950
5.2.2 Blood Transfusion	—	—
5.2.2.1 Preparation	16	20960
5.2.2.2 Cross matching	16–17	20970
5.2.2.3 Routine serology	17	20980
5.2.2.4 BT development	18	20990
5.2.3 Office/Laboratories	—	—
5.2.3.1 Consultant (office area)	18	72110
5.2.3.2 Consultant (laboratory area)	19	
5.2.3.3 BT Officer	19	72120
5.2.3.4 Registrar	20	72130

		Page reference	Computer Room Codes
5.3	CHEMICAL PATHOLOGY	—	—
5.3.1	General Biochemistry	—	—
5.3.1.1.	Reception and preparation of specimens	20	21000
5.3.1.2	Micromethods, emergency procedures etc.	21	21010
5.3.1.3	Instrument bench	21	21020
5.3.1.4	Enzymes, urines, test meals and specials	22	21030
5.3.1.5	Steroids and chromatography	22–23	21040
5.3.1.6	Toxicology, gas chromatography and electrophoresis	23–24	21050
5.3.1.7	Chief Technician	24	72140
5.3.2	Mechanised Section	25	21060
5.3.3.	Office/Laboratories	—	—
5.3.3.1	Consultant (office area)	25	72150
5.3.3.2	Consultant (laboratory area)	26	
5.3.3.3	Registrar	26	72160
5.3.3.4	Chemical Pathology Biochemist (office area)	27	72170
5.3.3.5	Chemical Pathology Biochemist (laboratory area)	27	
5.4.	MICROBIOLOGY	—	—
5.4.1	Clinical Microbiology	—	—
5.4.1.1	General laboratories	28	21070
5.4.1.2	Media preparation and plate pouring	29	21080
5.4.1.3	Serology	29–30	21090
5.4.1.4	TB bacteriology	30	21100
5.4.1.5	Chief Technician	31	72180
5.4.2	Virology	31–32	21110
5.4.3	Office/Laboratories	—	—
5.4.3.1	Consultant (office area)	32	72190
5.4.3.2	Consultant (laboratory area)	33	
5.4.3.3	Registrar	33	72200
6.	**Basic Accommodation—Secondary Space**	—	—
6.1.	PATIENT AREAS	—	—
6.1.1	Entrance and waiting area	34	61240
6.1.2	Examination room—general purpose	34	11980
6.1.3	Examination room—venepuncture	35	11990
6.1.4	Patients' lavatories	35	51750
6.2	OFFICES AND STAFF ROOMS	—	—
6.2.1	Reception, general office and records	—	—
6.2.1.1	Reception of patients	36	72210
6.2.1.2	Reception, recording and distribution of specimens	36	72220
6.2.1.3	Clerical suite	36–37	72230
6.2.2	Staff changing (male and female)	37	51760/70
6.2.3	Staff lavatories (male and female)	38	51780/90
6.2.4	Staff rooms	38	81290
6.3	SUPPLY AND PROCESSING AREAS	—	—
6.3.1	Chemical preparation	39	41320
6.3.2	Stores	39	32900
6.3.3	Outfit preparation	40	41330
6.3.4	Central wash-up and sterilizing	40	41340

	Page reference	Computer Room Codes
6.4 SPECIAL ROOMS	—	—
6.4.1 Morbid anatomy slides and blocks	41	32910
6.4.2 Hot room	41	—
6.4.3 Cold room	41	—
6.4.4 Blood Bank	41	32920
6.4.5 Fluorescent microscopy	42	21120
6.4.6 Workshop	42–43	21130
6.4.7 Cleaners' room	43	32930
6.4.8 Disposal room	43	41350
6.5 DEPARTMENTAL ITEMS	44	91660
7. Additional Accommodation	—	—
7.1 LECTURE ROOM/LIBRARY/MUSEUM	44	81300
7.2 PRACTICAL TRAINING	45	81310
7.3 RESEARCH	45	21140
7.4 DARKROOM	46	21150
7.5 STAFF DUTY ROOM	46	21160

Schedules of Equipment

5. Basic Accommodation—Primary Space

5.1 MORBID ANATOMY DEPARTMENT

5.1.1 *Histopathology*

5.1.1.1 *Specimen cutting and tissue processing*

		Quantity	*Notes*
Basic List			
Group 1:	Benching, laboratory	As required	For specimen handling and note taking
	Clock, electric	1	May have a sweep second hand
	Cupboard, storage and drawers	As required	
	Dispenser, soap	1	
	Gas point, twin outlet	1	Per 20 ft. (6m) bench length
	Hotplate	2	
	Light fitting, adjustable	1	Per 15 ft. (4·5m) bench length
	Shelving, overbench	As required	For aspirators, etc.
	Sink	1	
	Sink, flushing	1	
	Sink, with waste disposal unit	1	
	Socket outlet, twin	2	Per 5 ft. (1·5m) bench length
	Telephone	1	
	Vacuum outlet	1	Per 15 ft. (4.5m) bench length
	Vice, bench	1	
Group 2:	Dispenser, paper towel	1	
Group 3:	Balance, sliding weight, capacity 1 kg sensitivity 1 gm	1	A spring balance may be preferred as an alternative
	Bin, storage	1	
	Bin, waste, large	1	
	Dispenser, wax	2	
	Holder, sack, free standing	1	
	Oven, vacuum, 56°C	1	
	Oven, wax, 12 in. x 12 in. adjustable to 80°C	1	Storage of molten wax
	Stool, laboratory	4	
	Tissue processing machine	3	One may be a high speed vacuum type
Group 4:	Aspirators 10–15 litres	3	
	Bistouries, blunt-ended, curved on flat	1	Subject to requirements
	Board, dissecting	2	

5. Basic Accommodation—Primary Space

5.1. MORBID ANATOMY DEPARTMENT (continued)

5.1.1 *Histopathology* (continued)

5.1.1.1 *Specimen cutting and tissue processing* (continued)

		Quantity	*Notes*
Basic List			
Group 4: (contd.)	Catlin	1	
	Clock, interval timer	1	
	Drill, hand	1	
	Drill, twist, set of six	1	
	Forceps, Spencer Wells (prs)	2	
	Forceps, dissecting, toothed (prs)	3	
	Forceps, dissecting, ordinary (prs)	6	
	Forceps, spring cornet (prs)	2	
	Glassware, laboratory, allocation	4	
	Knife, amputation 6 in.	2	
	Knife, amputation 8 in.	1	
	Knife, amputation 10 in.	1	
	Knife, brain	2	
	Knife, palette	1	
	Laboratory sundries, allocation	6	
	Mould, Leuckhart	1	Subject to requirements
	Oilstone	1	
	Saw, post-mortem	1	
	Scalpels, various	6	
	Scissors, various (prs)	6	
	Tray, filing	3	
Cost Guide (excluding Group 1)		£2,400	
Additional List			
Group 3:	Dictating machine with microphone foot-switch	1	
	Microscope, type C	1	
Cost Guide (Additional List)		£190	

5.1.1.2 *Formalin specimen store*

		Quantity	*Notes*
Basic List			
Group 1:	Dispenser, soap	1	
	Shelves, storage	As required	Floor to ceiling and adjustable
	Sink, S/S with waste disposal unit	1	
	Socket outlet, twin	1	
	Worktop	1	
Group 2:	Dispenser, plastic tubing	1	To dispense tubing of four sizes for heat sealing machine
	Dispenser, paper towel	1	
Group 3:	Balance, post-mortem, semi-self indicating, capacity 10 kg, sensitivity 1gm	1	
	Heat sealing machine, plastic tubing	1	
	Holder, sack, free standing, large	1	
	Holder, sack, free standing, small	1	
	Ladder, platform type, 6 tread	1	
	Trolley, dressing/instrument, SS	1	
Group 4:	Aspirator, 40 litre	2	
	Bucket, lipped, 2½ gallon	1	
	Container, specimen, various, allocation	2	Airtight
Cost Guide (excluding Group 1)		£220	
Additional List			
Group 3:	Tank, formalin, airtight	1	Subject to requirements
Cost Guide (Additional List)		£30	

5. **Basic Accommodation—Primary Space**

5.1 MORBID ANATOMY DEPARTMENT (continued)

5.1.1 *Histopathology* (continued)

5.1.1.3 *Section cutting*

		Quantity	*Notes*
Basic List			
Group 1:	Benching, laboratory	As required	For section cutting
	Cupboard, storage, underbench	As required	
	Dispenser, soap	1	
	Drawers, storage, underbench	As required	
	Gas point, twin outlet	2	
	Hotplate, bench, rectangular	4	
	Light fitting, adjustable	1	Per 5 ft. (1·5 m) bench length
	Shelving, overbench	As required	
	Sink, double	2	
	Socket outlet, twin	2	Per 5 ft. (1·5 m) bench length
	Vacuum outlet	1	Per 15 ft. (4·5 m) bench length
Group 2:	Dispenser, paper towel	1	
Group 3:	Bath, water, circular, thermostatically controlled, adjustable to 100°C	4	For floating sections
	Cryostat, microtome	1	
	Holder, sack, free standing	1	
	Knife sharpening machine	2	
	Microtome	4	
	Refrigerator, approx. 4 cu. ft. with freezing compartment	1	
	Stool, laboratory	4	
Group 4:	Glassware, laboratory, allocation	1	
	Knife, microtome	16	
	Laboratory sundries, allocation	3	
Cost Guide (excluding Group 1)		£4,100	

5.1.1.4 *Staining*

		Quantity	*Notes*
Basic List			
Group 1:	Benching, laboratory	As required	For staining, mounting and sorting
	Cupboard, hanging	As required	For re-agents, stains, etc.
	Cupboard, underbench	As required	
	Dispenser, soap	1	
	Drawers, storage, underbench	As required	
	Gas point, twin outlet	3	
	Light fitting, adjustable	1	Per 5 ft. (1·5 m) bench length
	Shelving, overbench	As required	
	Sink, staining	4	
	Socket outlet, twin	2	Per 5 ft. (1·5 m) bench length
	Vacuum outlet	1	Per 15 ft. (4·5 m) bench length
Group 2:	Dispenser, paper towel	1	
Group 3:	Cabinet, filing, microscope slides	1	
	Holder, sack, free standing	1	
	Microscope, type A and accessories	2	
	Oven, approx. 24 in. x 20 in. x 20 in. adjustable to 60°C	2	
	Stool, laboratory	8	
Group 4:	Glassware, laboratory, allocation	5	
	Laboratory sundries, allocation	3	
Cost Guide (excluding Group 1)		£980	
Additional List			
Group 3:	Staining machine, automatic	1	
Cost Guide (Additional List)		£450	

5. **Basic Accommodation—Primary Space**

5.1 MORBID ANATOMY DEPARTMENT (continued)

5.1.1 *Histopathology* (continued)

5.1.1.5 *Chief Technician*

		Quantity	*Notes*
Basic List			
Group 1:	Basin, lavatory, with elbow action taps	1	
	Board, notice	1	
	Board, writing	1	
	Dispenser, soap	1	
	Hook, clothes	2	
	Intercom system	1	Loud speaking type
	Light fitting, adjustable	1	
	Socket outlet, twin	1	
	Telephone	1	
Group 2:	Dispenser, paper towel	1	
Group 3:	Bookcase	1	
	Cabinet, filing, 4-drawer	1	
	Chair, desk	1	
	Chair, stacking	2	
	Desk	1	
	Holder, sack, free standing	1	
Group 4:	Bin, waste paper	1	
	Desk set	1	
Cost Guide (excluding Group 1)		£120	

5.1.1.6 *Special techniques* (This could be in routine laboratory—not necessarily with Chief Technician)

		Quantity	*Notes*
Basic List			
Group 1:	Benching, laboratory	As required	For special techniques and staining
	Cupboard, underbench	As required	
	Drawers, storage, underbench	As required	
	Gas point, twin outlet	2	
	Light fitting, adjustable	1	Per 15 ft. (4·5 m) bench length
	Shelving, overbench	As required	
	Sink, staining	1	
	Socket outlet, twin	2	Per 5 ft. (1·5 m) bench length
	Telephone	1	If special techniques are carried out in routine laboratory
	Vacuum outlet	2	
Group 3:	Container, insulated	2	For storage of CO_2 blocks
	Cryostat, microtome	1	
	Microscope, type D and accessories	1	With additional low power objective
Group 4:	Glassware, laboratory, allocation	5	
Cost Guide (excluding Group 1)		£2,100	
Additional List			
Group 4:	Microscope accessories	1	For slide projection and teaching
Cost Guide (Additional List)		£35	

5. Basic Accommodation—Primary Space

5.1 MORBID ANATOMY DEPARTMENT (continued)

5.1.2. *Cytology*

5.1.2.1 *Routine methods*

		Quantity	*Notes*
Basic List			
Group 1:	Benching, laboratory	As required	For clerical work on specimens, etc.
	Cupboard, underbench	As required	
	Dispenser, soap	1	
	Drawers, underbench	As required	
	Gas point, twin outlet	1	Per 20 ft. (6 m) bench length
	Light fitting, adjustable	1	Per 15 ft. (4·5 m) bench length
	Shelving, overbench	As required	
	Sink, staining	1	
	Socket outlet, twin	2	Per 5 ft. (1·5 m) bench length
	Telephone	1	
	Vacuum outlet	1	Per 15 ft. (4·5 m) bench length
Group 2:	Dispenser, paper towel	1	
Group 3:	Balance, type D	1	
	Centrifuge, type B	1	
	Holder, sack, free standing	1	
	Microscope, type D and accessories	3	One of which should have a boom type double head for training screeners
	Oven, drying, approx. 12 in. x 12 in. x 12 in. adjustable to 80°C	2	
	Refrigerator, approx. 4 cu. ft.	1	
	Staining machine, automatic	1	
	Stool, laboratory	6	
Group 4:	Filtration unit	6	
	Glassware, laboratory, allocation	5	
	Laboratory sundries, allocation	3	
Cost Guide (excluding Group 1)		£3,200	

5.1.2.2 *Special methods*

		Quantity	*Notes*
Basic List			
Group 1:	Benching, laboratory	As required	For clerical work on specimens, etc.
	Cupboard, underbench	As required	
	Dispenser, soap	1	
	Drawers, underbench	As required	
	Gas point, twin outlet	1	Per 20 ft. (6 m) bench length
	Light fitting, adjustable	1	Per 15 ft. (4·5 m) bench length
	Shelving, overbench	As required	
	Sink, staining	1	
	Socket outlet, twin	2	Per 5 ft. (1·5 m) bench length
	Telephone	1	
	Vacuum outlet	1	Per 15 ft. (4·5 m) bench length
Group 2:	Dispenser, paper towel	1	
Group 3:	Balance, type D	1	
	Centrifuge, type B	1	
	Disintegrator, ultrasonic	1	
	Holder, sack, free standing	1	
	Microscope, type D and accessories, with fluorescence attachments	1	
	Oven, drying, approx. 12 in. x 12 in. x 12 in. adjustable to 80°C	1	
	Refrigerator, approx. 4 cu. ft.	1	
	Stool, laboratory	6	
Group 4:	Glassware, laboratory, allocation	5	
	Laboratory sundries, allocation	3	
Cost Guide (excluding Group 1)		£2,100	

5.1.3.1 *Consultant (office area)*

		Quantity	*Notes*
Basic List			
Group 1:	Board, notice	1	
	Board, writing	1	
	Illuminator, X-ray	1	
	Intercom system	1	
	Socket outlet, twin	1	
	Telephone	1	
Group 3:	Bookcase	1	
	Cabinet, filing, 4-drawer	1	
	Chair, semi-easy	1	
	Chair, desk	1	
	Chair, stacking	2	
	Desk	1	
	Dictating machine	1	
	Locker, clothes	1	Or hooks
	Viewer, transparency, bench model	1	For 2 in. x 2 in. transparencies
Group 4:	Bin, waste paper	1	
	Desk set	1	
	Rack, filing, 5-tier	1	
Cost Guide (excluding Group 1)		£245	

5.1.3.2 *Consultant (laboratory area)*

		Quantity	*Notes*
Basic List			
Group 1:	Basin, lavatory with elbow action taps	1	
	Benching, laboratory	As required	
	Clock, electric	1	
	Cupboard, storage	1	
	Dispenser, soap	1	
	Gas point, twin outlet	1	
	Light fitting, adjustable	2	
	Mirror	1	
	Sink, laboratory and fittings	1	
	Socket outlet, twin	2	Per 5 ft. (1·5 m) bench length
Group 2:	Dispenser, paper towel	1	
Group 3:	Cabinet, filing, 4-drawer	1	
	Holder, sack, free standing	1	
	Microscope, type D and accessories with projection, photographic facilities and fluorescence attachments	1	With additional low-power objective
	Stool, laboratory	2	
	Table, small	1	
Group 4:	Bin, waste paper	1	
	Bucket, 1½ gallon (7 litres)	1	Enamelled or plastics as required
Cost Guide (excluding Group 1)		£1,100	

5. **Basic Accommodation—Primary Space**

5.1 MORBID ANATOMY DEPARTMENT (continued)

5.1.3 *Office/Laboratories* (continued)

5.1.3.3 *Second-in-command (office area)*

		Quantity	*Notes*
Basic List			
Group 1:	Board, notice	1	
	Board, writing	1	
	Illuminator, X-ray	1	
	Socket outlet, twin	1	
	Telephone	1	
Group 3:	Bookcase	1	
	Cabinet, filing, 4-drawer	1	
	Chair, semi-easy	1	
	Chair, desk	1	
	Chair, stacking	2	
	Desk	1	
	Dictating machine	1	
	Locker, clothes	1	Or hooks
	Viewer, transparency, bench model	1	For 2 in. x 2 in. transparencies
Group 4:	Bin, waste paper	1	
	Desk set	1	
	Rack, filing 5-tier	1	
Cost Guide (Excluding Group 1)		£245	

5.1.3.4 *Second-in-command (laboratory area)*

		Quantity	*Notes*
Basic List			
Group 1:	Basin, lavatory with elbow action taps	1	
	Benching, laboratory	As required	
	Clock electric	1	
	Cupboard, storage	As required	
	Dispenser, soap	1	
	Gas point, twin outlet	1	
	Light fitting, adjustable	2	
	Mirror	1	
	Sink, laboratory and fittings	1	
	Socket outlet, twin	2	Per 5 ft. (1·5 m) bench length
Group 2:	Dispenser, paper towel	1	
Group 3:	Cabinet, filing, 4-drawer	1	
	Holder, sack, free standing	1	
	Microscope, type D and accessories	1	With additional low-power objective
	Stool, laboratory	2	
	Table, small	1	
Group 4:	Bin, waste paper	1	
	Bucket, 1½ gallon (7 litres)	1	Enamelled or plastics as required
Cost Guide (excluding Group 1)		£610	

5. **Basic Accommodation—Primary Space**

5.1 MORBID ANATOMY DEPARTMENT (continued)

5.1.3 *Office/Laboratories* (continued)

5.1.3.5 *Registrar*

		Quantity	*Notes*
Basic List			
Group 1:	Basin, lavatory with elbow action taps	1	
	Benching, laboratory	As required	
	Board, writing	1	
	Dispenser, soap	1	
	Gas point, twin outlet	1	
	Hook, clothes	2	
	Intercom system	1	Linked with Operating Dept. (see BN26)
	Light fitting, adjustable	1	
	Mirror	1	
	Shelving	As required	
	Sink, laboratory, and fittings	1	
	Socket outlet, twin	2	Per 5 ft. (1·5 m) bench length
	Telephone	1	
Group 2:	Dispenser, paper towel	1	
Group 3:	Bookcase	1	
	Cabinet, filing, 4-drawer	1	
	Chair, desk	1	
	Chair, stacking	1	
	Desk	1	
	Holder, sack, free standing	1	
	Microscope, type D and accessories	1	With additional low-power objective
	Stool, laboratory	2	
Group 4:	Bin, waste paper	1	
	Desk set	1	
Cost Guide (excluding Group 1)		£690	

5.2 HAEMATOLOGY

5.2.1 *General Haematology*

5.2.1.1 *Prep. routine stains, bone marrow, special stains, ESR*

		Quantity	*Notes*
Basic List			
Group 1:	Basin, lavatory with elbow action taps	1	
	Benching, laboratory	As required	
	Board, notice	1	
	Board, writing	1	
	Clock, electric	1	
	Cupboards and drawers, underbench	As required	
	Dispenser, soap	1	
	Gas point, twin outlet	1	
	Shelving, overbench	As required	
	Sink, laboratory and fittings	3	One with drainer
	Socket outlet, twin	2	Per 5 ft. (1·5 m) bench length
	Telephone	1	
	Vacuum point	1	
Group 2:	Dispenser, paper towel	1	
Group 3:	Balance, type D	1	
	Balance, type A	1	
	Bath, water, approx. 18 in. x 12 in. x 12 in. adjustable to 100°C	2	
	Bath, water, portable	1	
	Cabinet, low temperature, 4 cu. ft.	1	
	Centrifuge, microhaematocrit with reader	1	
	Centrifuge, type B	2	
	Diluter, automatic	2	For use with haemoglobinometer
	Dispenser, liquid, automatic	2	
	Haemoglobinometer, photo-electric	1	
	Holder, sack, free standing	1	

5. **Basic Accommodation—Primary Space**

5.2 HAEMATOLOGY (continued)

5.2.1 *General Haematology* (continued)

5.2.1.1 *Prep. routine stains, bone marrow, special stains, ESR* (continued)

		Quantity	Notes
Basic List			
Group 3: (contd)	Microscope, type B and accessories	1	
	Mixer, cell suspension	3	
	Refrigerator, approx. 8 cu. ft.	1	
	Shaker, pipette	1	
	Staining machine, automatic	1	
	Stool, laboratory	5	
	Table, small	1	
	Washer, pipette, automatic	2	
Group 4:	Bin, waste paper	4	
	Clock, interval timer 60 min.	3	
	Flask, vacuum, large	1	
	Glassware, laboratory, allocation	4	
	Laboratory sundries, allocation	3	
	Slide rule	3	
	Stand, Westergren tube	1	Subject to requirements
	Stopwatch	3	
	Tray, filing	3	
Cost Guide (excluding Group 1)		£2,800	
Additional List			
Group 3:	Cabinet, filing, microscope slides	1	
	Viscometer	1	
Cost Guide (Additional List)		£21	

5.2.1.2 *Routine screening*

		Quantity	Notes
Basic List			
Group 1:	Benching, laboratory for screening positions	As required	
	Cupboards and drawers, storage, under-bench	As required	For microscopes and accessories
	Shelving, overbench	As required	
	Socket outlet, twin	2	Per 5 ft. (1·5 m) bench length
Group 3:	Cabinet, filing, microscope, slides	1	
	Microscope, type B and accessories	6	
	Stool, laboratory	8	
Cost Guide (excluding Group 1)		£3,100	
Additional List			
Group 4:	Register, differential, blood cell	1	Subject to requirements
Cost Guide (Additional List)		£60	

5. **Basic Accommodation—Primary Space**

5.2 HAEMATOLOGY (continued)

5.2.1 *General Haematology* (continued)

5.2.1.3 *Urgent tests, special tests and equipment*

		Quantity	*Notes*
Basic List			
Group 1:	Benching, laboratory	As required	
	Cupboards and drawers, storage, under-bench	As required	
	Gas point, twin outlet	1	
	Shelving, overbench	As required	
	Sink, laboratory	1	
	Socket outlet, twin	2	Per 5 ft. (1·5 m) bench length
	Telephone	1	
	Vacuum point	1	
Group 2:	Dispenser, paper towel	1	
Group 3:	Bath, water, approx. 18 in. x 12 in. x 12 in. adjustable to 100°C	1	
	Calculator, desk, electronic	1	
	Centrifuge, type B	1	
	Centrifuge, microhaematocrit with reader	1	
	Diluter, automatic	1	
	Haemoglobinometer, photo-electric	1	
	Holder, sack, free standing	1	
	Incubator, approx. 24 in. x 20 in. x 20 in. adjustable to 60°C	1	
	Microscope, type B and accessories	1	
	Mixer, cell suspension	1	
	Refrigerator, 4 cu. ft.	1	
	Shaker, pipette	1	
	Stool, laboratory	3	
Group 4:	Glassware, laboratory, allocation	4	
	Haemacytometer	1	Subject to requirements
	Laboratory sundries, allocation	3	
	Slide rule	1	Special haematological type may be preferred
Cost Guide (excluding Group 1)		£1,800	

5.2.1.4 *Chief Technician*

		Quantity	*Notes*
Basic List			
Group 1:	Basin, lavatory with elbow action taps	1	
	Benching, laboratory with writing position/ or desk	As required	
	Board, notice	1	
	Board, writing	1	
	Cupboard and drawers, storage, under-bench	As required	
	Dispenser, soap	1	
	Gas point, twin outlet	1	
	Hook, clothes	2	
	Intercom system	1	Loud speaking type
	Light fitting, adjustable	1	
	Mirror	1	
	Shelving, overbench	As required	
	Sink, laboratory	1	
	Socket outlet, twin	2	
	Telephone	1	
Group 2:	Dispenser, paper towel	1	
Group 3:	Bookcase	1	
	Cabinet, filing, 4-drawer	1	
	Holder, sack, free standing	1	
	Microscope, type B and accessories	1	
	Stool, laboratory	2	
Group 4:	Bin, waste paper	1	
	Desk set	1	
Cost Guide (excluding Group 1)		£580	
Additional List			
Group 4:	Microscope accessories	1	For slide projection and teaching
Cost Guide (Additional List)		£35	

5. Basic Accommodation—Primary Space

5.2 HAEMATOLOGY (continued)

5.2.1 *General Haematology* (continued)

5.2.1.5 *Coagulation and electrophoresis*

		Quantity	*Notes*
Basic List			
Group 1:	Basin, lavatory with elbow action taps	1	
	Benching, laboratory	As required	
	Dispenser, soap	1	
	Drawers, storage, underbench	As required	
	Light fitting, adjustable	1	Per 10 ft. (3 m) bench length
	Shelving, overbench	As required	
	Sink, laboratory	1	
	Socket outlet, twin	2	Per 5 ft. (1·5 m) bench length
	Telephone	1	
	Vacuum outlet	1	
Group 2:	Dispenser, paper towel	1	
Group 3:	Balance, type D	1	
	Bath, water, approx. 18 in. x 12 in. x 12 in. adjustable to 100°C	2	
	Bath, water, refrigerated	1	Suitable for use at 4°C
	Centrifuge, type B	2	
	Coagulometer	1	
	Eletrophoresis equipment	1	Subject to requirements
	Holder, sack, free standing	1	
	Mixer, cell suspension	1	
	Refrigerator, appox. 4 cu. ft.	1	
	Stool, laboratory	3	
Group 4:	Bin, waste	2	
	Clock, interval timer	1	
	Glassware, laboratory, allocation	4	
	Laboratory sundries, allocation	3	
	Stopwatch	4	
Cost Guide (excluding Group 1)		£1,800	

5.2.1.6 *Microbiological assays*

		Quantity	*Notes*
Basic List			
Group 1:	Basin, lavatory with elbow action taps	1	
	Benching, laboratory	As required	
	Cupboards and drawers, underbench	As required	
	Dispenser, soap	1	
	Gas point, twin outlet	2	
	Light fitting, adjustable	1	Per 10 ft. (3 m) bench length
	Shelving, overbench	As required	
	Socket outlet, twin	2	Per 5 ft. (1·5 m) bench length
	Telephone	1	
Group 2:	Dispenser, paper towel	1	
Group 3:	Autoclave, bench	1	
	Bath, water, approx. 18 in. x 12 in. x 12 in. adjustable to 100°C	1	
	Centrifuge, type B	1	
	Holder, sack, free standing	1	
	Incubator, approx. 24 in. x 20 in. x 20 in., adjustable to 60°C	1	
	Stool, laboratory	1	
Group 4:	Bin, waste	1	
	Dispenser, liquid, automatic	1	
	Glassware, laboratory, allocation	4	
	Laboratory sundries, allocation	3	
Cost Guide (excluding Group 1)		£810	
Additional List			
Group 4:	Nephelometer	1	
Cost Guide (Additional List)		£135	

5. **Basic Accommodation—Primary Space**

5.2 HAEMATOLOGY (continued)

5.2.2 *Blood Transfusion*

5.2.2.1 *Preparation*

		Quantity	*Notes*
Basic List			
Group 1:	Benching, laboratory	As required	
	Cabinet, drying	1	
	Cabinet, aseptic with U/V light source	1	For procedures carried out under aseptic conditions. May be a laminar flow type
	Centrifuge, refrigerated, type A with accessories	1	
	Gas point, twin outlet	1	Per 20 ft. (6 m) bench length
	Sink, working, large, S/S	1	With double drainer
	Socket outlet, single	1	
	Socket outlet, twin	2	Per 5 ft. (1·5 m) bench length
	Storage, overbench	As required	For glassware and chemicals
	Telephone	1	
	Vacuum outlet	1	
Group 2:	Dispenser, paper towel	1	
Group 3:	Balance, type E	1	
	Container, blood bottles, insulated, complete	3	For transport of blood bottles. Subject to requirements
	Stool, laboratory	1	
Group 4:	Bin, waste paper	1	
	Glassware, laboratory, allocation	4	
	Laboratory sundries, allocation	3	
Cost Guide (excluding Group 1)		£350	

5.2.2.2 *Cross matching*

		Quantity	*Notes*
Basic List			
Group 1:	Basin, lavatory with elbow action taps	1	
	Benching, laboratory, including writing position	As required	
	Board, notice	1	
	Board, writing	1	
	Cupboards and drawers, storage, underbench	As required	
	Cupboard, storage, overbench	As required	
	Dispenser, soap	1	
	Gas point, twin outlet	1	
	Light fitting, adjustable	1	Per 10 ft. (3 m) bench length
	Refrigerator with alarm, flasher unit and temperature recorder	2	For blood storage—required only if no provision is made for separate blood bank
	Shelving, overbench	As required	At high level for aspirators
	Shelving, overbench	As required	
	Sink, laboratory	1	
	Socket outlet, twin	2	Per 5 ft. (1·5 m) bench length
	Telephone	1	
	Vacuum outlet	2	
Group 2:	Dispenser, paper towel	1	
Group 3:	Balance, type D	1	
	Bath, water, approx. 18 in. x 12 in. x 12 in. adjustable to 100°C	2	
	Cabinet, low temperature	1	
	Centrifuge, type B and/or type C	2	According to work load
	Container, blood bottles, insulated, complete	6	For transport of blood bottles. Subject to requirements

		Quantity	*Notes*
Basic List			
Group 3: (contd)	Holder, sack, free standing	1	
	Incubator, approx. 24 in. x 20 in. x 20 in., adjustable to 60°C	1	
	Incubator, low temperature, refrigerated, 0°–45°C	1	
	Microscope, type A and accessories	1	
	Refrigerator, approx. 4 cu. ft.	1	
	Stool, laboratory	2	
	Trolley, general purpose	1	
Group 4:	Bin, waste paper	1	
	Clock, interval timer	4	
	Glassware, laboratory, allocation	4	
	Laboratory sundries, allocation	3	
Cost Guide (excluding Group 1)		£1,450	

5.2.2.3 *Routine serology*

		Quantity	*Notes*
Basic List			
Group 1:	Basin, lavatory with elbow action taps	1	
	Benching, laboratory, including writing position	As required	For routine serology work
	Board, notice	1	
	Board, writing	1	
	Clock, electric	1	
	Cupboards and drawers, storage, under-bench	As required	
	Cupboard, storage, overbench	As required	
	Dispenser, soap	1	
	Gas point, twin outlet	3	
	Light fitting, adjustable	1	Per 10 ft. (3 m) bench length
	Shelving, overbench	As required	At high level for large containers (e.g. saline)
	Shelving, overbench	As required	
	Socket outlet, twin	2	Per 5 ft. (1·5 m) bench length
	Telephone	1	
	Vacuum outlet	3	
Group 2:	Dispenser, paper towel	1	
Group 3:	Balance, type D	1	
	Balance, single, top pan capacity approx. 200 gm	1	
	Bath, water, approx. 18 in. x 12 in. x 12 in., adjustable to 100°C	2	
	Cabinet, filing, 4-drawer	1	
	Cabinet, low temperature approx. 10 cu. ft.	1	
	Centrifuge, type B and/or type C	3	According to work load
	Holder, sack, free standing	1	
	Incubator, approx. 24 in. x 20 in. x 20 in., adjustable to 60°C	1	
	Microscope, type A and accessories	2	
	Refrigerator, approx. 4 cu. ft.	1	
	Stool, laboratory	3	
Group 4:	Bin, waste paper	2	
	Clock, interval timer	1	
	Glassware, laboratory, allocation	4	
	Laboratory sundries, allocation	3	
	Tray, filing	3	
Cost Guide (excluding Group 1)		£1,750	
Additional List			
Group 3:	Centrifuge, cell washing, automatic	2	
Cost Guide (Additional List)		£1,650	

5. Basic Accommodation—Primary Space

5.2 HAEMATOLOGY (continued)

5.2.2 *Blood Transfusion* (continued)

5.2.2.4 *BT development*

		Quantity	*Notes*
Basic List			
Group 1:	Basin, lavatory with elbow action taps	1	
	Benching, laboratory with writing position/desk	As required	
	Board, notice	1	
	Board, writing	1	
	Cupboards and drawers, storage, underbench	As required	
	Dispenser, soap	1	
	Gas point, twin outlet	1	Per 20 ft. (6 m) bench length
	Hook, clothes	2	
	Light, fitting, adjustable	1	Per 10 ft. (3 m) bench length
	Shelving, overbench	As required	
	Sink, laboratory	1	
	Socket outlet, twin	2	Per 5 ft. (1·5 m) bench length
	Telephone	1	
Group 2:	Dispenser, paper towel	1	
Group 3:	Bookcase	1	
	Cabinet, filing, 4-drawer	1	
	Holder, sack, free standing	1	
	Microscope, type B and accessories	1	
	Refrigerator, capacity 4 cu. ft.	1	
	Stool, laboratory	1	
Group 4:	Bin, waste paper	1	
	Desk set	1	
Cost Guide (excluding Group 1)		£580	

5.2.3 *Office/Laboratories*

5.2.3.1 *Consultant (office area)*

		Quantity	*Notes*
Basic List			
Group 1:	Board, notice	1	
	Board, writing	1	
	Illuminator, X-ray	1	
	Intercom system	1	
	Socket outlet, twin	1	
	Telephone	1	
Group 3:	Bookcase	1	
	Cabinet, filing, 4-drawer	1	
	Chair, semi-easy	1	
	Chair, desk	1	
	Chair, stacking	2	
	Desk	1	
	Locker, clothes	1	Or hooks
Group 4:	Bin, waste paper	1	
	Desk set	1	
	Rack, filing, 5-tier	1	
Cost Guide (excluding Group 1)		£170	

5. **Basic Accommodation—Primary Space**

5.2 HAEMATOLOGY (continued)

5.2.3 *Office/Laboratories* (continued)

5.2.3.2 *Consultant (laboratory area)*

		Quantity	*Notes*
Basic List			
Group 1:	Basin, lavatory with elbow action taps	1	
	Benching, laboratory	As required	
	Clock, electric	1	
	Cupboard, storage	1	
	Dispenser, soap	1	
	Gas point, twin outlet	1	
	Light fitting, adjustable	2	
	Mirror	1	
	Sink, laboratory and fittings	1	
	Socket outlet, twin	2	Per 5 ft. (1·5 m) bench length
Group 2:	Dispenser, paper towel	1	
Group 3:	Cabinet, filing, 4-drawer	1	
	Holder, sack, free standing	1	
	Microscope, type B and accessories with projection and photographic facilities	1	
	Stool, laboratory	2	
	Table, small	1	
Group 4:	Bin, waste paper	1	
	Bucket, 1½ gal. (7 litres)	1	Enamelled or plastics as required
Cost Guide (excluding Group 1)		£940	

5.2.3.3 *BT Officer*

		Quantity	*Notes*
Basic List			
Group 1:	Basin, lavatory with elbow action taps	1	
	Benching, laboratory with sink and writing position/desk	As required	
	Board, notice	1	
	Board, writing	1	
	Cupboard and drawer, underbench	1	
	Dispenser, soap	1	
	Gas point, twin outlet	1	
	Hook, clothes	2	
	Light fitting, adjustable	1	
	Mirror	1	
	Shelving, overbench	As required	
	Socket outlet, twin	2	Per 5 ft. (1·5 m) bench length
	Telephone	1	
Group 2:	Dispenser, paper towel	1	
Group 3:	Bookcase	1	
	Cabinet, filing, 4-drawer	1	
	Holder, sack, free standing	1	
	Microscope, type B and accessories	1	
	Stool, laboratory	1	
Group 4:	Bin, waste paper	1	
	Desk set	1	
Cost Guide (excluding Group 1)		£580	

5. **Basic Accommodation—Primary Space**

5.2 HAEMATOLOGY (continued)

5.2.3 *Office/Laboratories* (continued)

5.2.3.4 *Registrar*

		Quantity	*Notes*
Basic List			
Group 1:	Basin, lavatory with elbow action taps	1	
	Benching, laboratory	As required	
	Board, writing	1	
	Dispenser, soap	1	
	Gas point, twin outlet	1	
	Hook, clothes	2	
	Light fitting, adjustable	1	
	Mirror	1	
	Shelving	As required	
	Sink, laboratory and fittings	1	
	Socket outlet, twin	2	Per 5 ft. (1·5 m) bench length
	Telephone	1	
Group 2:	Dispenser, paper towel	1	
Group 3:	Bookcase	1	
	Cabinet, filing, 4-drawer	1	
	Chair, desk	1	
	Chair, stacking	1	
	Desk	1	
	Holder, sack, free standing	1	
	Microscope, type B and accessories	1	
	Stool, laboratory	2	
Group 4:	Bin, waste paper	1	
	Desk set	1	
Cost Guide (excluding Group 1)		£630	

5.3 CHEMICAL PATHOLOGY

5.3.1 *General Biochemistry*

5.3.1.1 *Reception and preparation of specimens*

		Quantity	*Notes*
Basic List			
Group 1:	Basin, lavatory with elbow action taps	1	
	Benching, laboratory	As required	
	Cupboard, storage, overbench	As required	
	Dispenser, soap	1	
	Drawers, storage, underbench	As required	
	Refrigerator, approx. 12 cu. ft.	1	
	Shelving, overbench	As required	
	Shielding, sound absorbent over and around machines	As required	In reception and preparation area or separate room
	Sink, low level	1	
	Socket outlet, twin	2	Per 5 ft. (1·5 m) bench length
	Telephone	1	
Group 2:	Dispenser, paper towel	1	
Group 3:	Balance, type D	1	
	Balance, type B	1	
	Cabinet, low temperature approx. 5 cu. ft.	1	
	Centrifuge, type B	3	
	Centrifuge, type C with accessories (i) to (iv)	1	
	Centrifuge, type C with accessories (i) and (ii)	1	
	Holder, sack, free standing	2	
	Stool, laboratory	3	
	Trolley	1	To hold numbered racks
	Trolley, specimen rack	1	
Group 4:	Bin, waste paper	2	
	Glassware, laboratory, allocation	1	
	Laboratory sundries, allocation	1	
	Numbering machine	1	For specimen identification
Cost Guide (excluding Group 1)		£2,000	

5.3.1.2 *Micromethods, emergency procedures, etc.*

		Quantity	*Notes*
Basic List			
Group 1:	Benching, laboratory	As required	
	Cupboard, storage, overbench	As required	
	Drawers, storage, underbench	As required	
	Gas point, twin outlet	1	Per 20 ft. (6 m) bench length
	Socket, outlet, twin	2	Per 5 ft. (1·5 m) bench length
	Telephone	1	
Group 3:	Bath, water, approx. 18 in. x 12 in. x 12 in., adjustable to 100°C	2	
	Centrifuge, type B	1	
	Compressor, air	1	For flame photometer
	Dispenser and diluter	1	Subject to requirements
	Holder, sack, free standing	1	
	Photometer, flame, emission filter type	1	For town/natural gas
	Special microtechnique equipment	1	
	Stool, laboratory	4	
	Washer, pipette	1	
Group 4:	Bin, waste paper	2	
	Clock, interval timer	2	
	Glassware, laboratory, allocation	2	
	Laboratory sundries, allocation	3	
	Pipette, automatic	1	For small volumes. Subject to requirements
	Slide rule	1	
Cost Guide (excluding Group 1)		£2,500	
Additional List			
Group 4:	Meter, chloride	1	
Cost Guide (Additional List)		£290	

5.3.1.3 *Instrument bench*

		Quantity	*Notes*
Basic List			
Group 1:	Benching, laboratory	As required	
	Cupboard, storage, overbench	As required	
	Drawers, storage, underbench	As required	
	Gas point, twin outlet	1	
	Shelving, overbench	As required	
	Sink, with three cold water points and one hot water	1	One hot and one cold tap for sink—Two cold taps over drainer
	Socket outlet, twin	2	Per 5 ft. (1·5 m) bench length
Group 2:	Dispenser, paper towel	1	
Group 3:	Analysis equipment, blood gas	1	pH, pCO_2, pO_2
	Balance, type C	1	
	Colorimeter	2	
	Dispenser and diluter	1	Subject to requirements
	Holder, sack, free standing	1	
	Spectrophotometer	2	
	Stool, laboratory	2	
	Trolley, dirty glassware	1	
Group 4:	Bin, waste paper	1	
	Laboratory sundries, allocation	2	
Cost Guide (excluding Group 1)		£3,700	
Additional List			
Group 3:	Fluorimeter	1	
	Incubator approx. 24 in. x 20 in. x 20 in. adjustable to 60°C	1	
	Microgasometer	1	
	Trolley for blood gas analyser	1	
Cost Guide (Additional List)		£1,500	

5.3.1.4 *Enzymes, urines, test meals and specials*

		Quantity	*Notes*
Basic List			
Group 1:	Benching, laboratory	As required	
	Cupboard, storage, overbench	As required	
	Drawers, storage, underbench	As required	
	Gas point, twin outlet	1	Per 20 ft. (6 m) bench length
	Shelving, overbench	As required	
	Sink, laboratory and fittings	1	For urines and test meals
	Socket outlet, twin	2	Per 5 ft. (1·5 m) bench length
	Telephone	1	
Group 3:	Balance, type D	1	
	Bath, water, approx. 18 in. x 12 in. x 12 in., adjustable to 100°C	2	
	Cabinet, low temperature, 4 cu. ft.	1	
	Centrifuge, type B	2	
	De-ioniser, mixed bed	1	
	Dispenser and diluter	1	Subject to requirements
	Holder, sack, free standing	1	
	Meter, pH, range O–14H	1	
	Microscope, type A and accessories	1	
	Osmometer	1	
	Oven, approx. 12 in. x 12 in. x 12 in., adjustable to 200°C	1	
	Refrigerator, 8 cu. ft.	1	
	Stirrer, magnetic	1	
	Stool, laboratory	4	
Group 4:	Bin, waste paper	2	
	Clock, interval timer	3	
	Flask, vacuum, large	1	
	Glassware, laboratory, allocation	2	
	Laboratory sundries, allocation	3	
	Pipette, automatic	1	For small volumes. Subject to requirements
	Slide rule	3	
	Stopwatch	3	
Cost Guide (excluding Group 1)		£2,500	
Additional List			
Group 3:	Calculator, desk	1	May be programmable model
	Furnace, muffle	1	
Group 4:	Nephelometer	1	
Cost Guide (Additional List)		£460	

5.3.1.5 *Steroids and Chromatography*

		Quantity	*Notes*
Basic List			
Group 1:	Basin, lavatory with elbow action taps	1	
	Benching, laboratory	As required	
	Compressed air supply point	3	
	Cupboards and drawers, underbench	As required	
	Cupboard, fume	3	
	Dispenser, soap	1	
	Gas point, twin outlet	3	
	Nitrogen supply point	1	
	Sink, laboratory	1	
	Slop hopper	1	
	Socket outlet, twin	2	Per 5 ft. (1·5 m) bench length
	Storage, overbench	As required	
	Vacuum outlet	4	
Group 2:	Dispenser, paper towel	1	

5.3.1.5 *Steroids and Chromatography* (continued)

		Quantity	*Notes*
Basic List			
Group 3:	Balance, type E	1	
	Bath, oil	1	
	Bath, water, approx. 18 in. x 12 in. x 12 in., adjustable to 100°C	2	
	Blower, hot air, hand	1	Industrial type
	Centrifuge, type C, with accessories (i)–(iv)	1	
	Evaporator, rotary	1	
	Fluorimeter, filter type	1	
	Heater, mantle, electric	2	
	Holder, sack, free standing	1	
	Homogeniser	1	
	Lamp, inspection, U/V	1	
	Oven, approx. 24 in. x 24 in. x 18 in., adjustable to 200°C	1	
	Shaker, flask	1	
	Spreader, plate, thin layer	1	
	Stand, cylinder, nitrogen	1	
	Stool, laboratory	3	
	Tank, chromatography	1	
Group 4:	Bin, waste	3	
	Chromatography, paper, accessories, allocation	1	
	Clock, interval timer	1	
	Desalting apparatus	1	
	Glassware, laboratory, allocation	4	
	Laboratory sundries, allocation	3	
Cost Guide (excluding Group 1)		£2,400	
Additional List			
Group 3:	Analysis equipment, automatic, amino acid	1	
	Fraction collector	1	
Cost Guide (Additional List)		£5,000	

5.3.1.6 *Toxicology, gas chromatography and electrophoresis*

		Quantity	*Notes*
Basic List			
Group 1:	Acetylene supply point	1	
	Argon supply point	2	
	Benching, laboratory	As required	
	Compressed air supply point	2	
	Cupboards and drawers, underbench	As required	
	Cupboard, fume	1	
	Cupboard, storage, overbench	As required	
	Gas point, twin outlet	1	Per 20 ft. (6 m) bench length
	Hydrogen supply point	1	
	Nitrogen supply point	1	
	Oxygen supply point	1	
	Shelving, overbench	As required	
	Sink, laboratory	1	
	Socket outlet, twin	2	Per 5 ft. (1·5 m) bench length
	Vacuum outlet	1	
Group 2:	Dispenser, paper towel	1	
Group 3:	Block, digestor	1	
	Centrifuge, type B	1	
	Evaporator, rotary	1	
	Electrophoresis equipment	1	Subject to requirements
	Furnace, muffle	1	

5.3.1.6 *Toxicology, gas chromatography and electrophoresis* (continued)

		Quantity	*Notes*
Basic List			
Group 3: (contd)	Gas chromatography equipment with flame ionisation detector	1	
	Photometer, flame, atomic absorption	1	
	Shaker, flask	2	
	Stool, laboratory	4	
Group 4:	Bin, waste	3	
	Glassware, laboratory, allocation	4	
	Guillotine	1	
	Laboratory sundries, allocation	3	
Cost Guide (excluding Group 1)		£3,200	
Additional List			
Group 3:	Densitometer	1	
	Spectroscope, reversion type	1	For blood pigments
Cost Guide (Additional List)		£1,100	

5.3.1.7 *Chief Technician*

		Quantity	*Notes*
Basic List			
Group 1:	Basin, lavatory with elbow action taps	1	
	Benching, laboratory with writing position/ or desk	As required	
	Board, notice	1	
	Board, writing	1	
	Cupboards and drawers, storage, under-bench	As required	
	Dispenser, soap	1	
	Gas point, twin outlet	1	
	Hook, clothes	2	
	Intercom system	1	Loud speaking type
	Light fitting, adjustable	1	
	Mirror	1	
	Shelving, overbench	As required	
	Sink, laboratory	1	
	Socket outlet, twin	2	
	Telephone	1	
Group 2:	Dispenser, paper towel	1	
Group 3:	Bookcase	1	
	Cabinet, filing, 4-drawer	1	
	Holder, sack, free standing	1	
	Stool, laboratory	2	
Group 4:	Bin, waste paper	1	
	Desk set	1	
Cost Guide (excluding Group 1)		£85	

5. **Basic Accommodation—Primary Space**

5.3 CHEMICAL PATHOLOGY (continued)

5.3.2 *Mechanised section (including 1 L.S.U. from Haematology)*

		Quantity	*Notes*
Basic List			
Group 1:	Benching	As required	Specially designed to accommodate analyser equipment
	Compressed air supply point	3	
	Cupboard, storage	As required	
	Dispenser, soap	1	
	Oxygen supply point	9	
	Oxygen/carbon dioxide supply point	9	
	Propane supply point	9	
	Refrigerator, approx. 12 cu. ft.	1	
	Sink, large with drainer	1	
	Socket outlet, twin	4	Per 5 ft. (1·5 m) bench length
	Storage units, underbench	As required	
	Telephone	1	
	Vacuum outlet	4	
Group 2:	Dispenser, paper towel	1	
Group 3:	Analysis equipment, automatic, haematology	1	For determination of R.B.C. W.B.C., P.V.C. haemoglobin and indices. Subject to requirements
	Analysis equipment, automatic, biochemistry	1	Sufficient for the determination of electrolytes and about eight other constituents. Subject to requirements
	Holder, sack, free standing	1	
	Mixer, cell suspension	3	
	Stool, laboratory	9	
	Trolley, servicing	1	
	Trolley, specimen rack	1	
Group 4:	Glassware, laboratory, allocation	2	
	Laboratory, sundries, allocation	2	
Cost Guide (excluding Group 1)		£53,000	
Additional List			
Group 3:	Analysis equipment, automatic, enzymes, kinetic	1	
	Analysis equipment, automatic, platelet counting	1	
	Analysis equipment, automatic, PBI determination	1	
	Blood typer, automatic	1	
Cost Guide (Additional List)		£24,100	

5.3.3 *Office/Laboratories*

5.3.3.1 *Consultant (office area)*

		Quantity	*Notes*
Basic List			
Group 1:	Board, notice	1	
	Board, writing	1	
	Intercom system	1	
	Socket outlet, twin	1	
	Telephone	1	
Group 3:	Bookcase	1	
	Cabinet, filing, 4-drawer	1	
	Chair, semi-easy	1	
	Chair, desk	1	
	Chair, stacking	2	
	Desk	1	
	Locker, clothes	1	Or hooks
	Viewer, slide	1	
Group 4:	Bin, waste paper	1	
	Desk set	1	
	Rack, filing, 5-tier	1	
Cost Guide (excluding Group 1)		£185	

5.3.3.2 *Consultant (laboratory area)*

		Quantity	*Notes*
Basic List			
Group 1:	Basin, lavatory with elbow action taps	1	
	Benching, laboratory	As required	
	Clock, electric	1	
	Cupboard, storage	As required	
	Dispenser, soap	1	
	Gas point, twin outlet	1	
	Light fitting, adjustable	2	
	Mirror	1	
	Sink, laboratory and fittings	1	
	Socket outlet, twin	2	Per 5 ft. (1·5 m) bench length
Group 2:	Dispenser, paper towel	1	
Group 3:	Cabinet, filing, 4-drawer	1	
	Holder, sack, free standing	1	
	Stool, laboratory	2	
	Table, small	1	
Group 4:	Bin, waste paper	1	
	Bucket, 1½ gal. (7 litres)	1	Enamelled or plastics as required
Cost Guide (excluding Group 1)		£55	

5.3.3.3 *Registrar*

		Quantity	*Notes*
Basic List			
Group 1:	Basin, lavatory with elbow action taps	1	
	Benching, laboratory	As required	
	Board, writing	1	
	Dispenser, soap	1	
	Gas point, twin outlet	1	
	Hook, clothes	2	
	Light fitting, adjustable	1	
	Mirror	1	
	Shelving	As required	
	Sink, laboratory and fittings	1	
	Socket outlet, twin	2	Per 5 ft. (1·5 m) bench length
	Telephone	1	
Group 2:	Dispenser, paper towel	1	
Group 3:	Bookcase	1	
	Cabinet, filing, 4-drawer	1	
	Chair, desk	1	
	Chair, stacking	1	
	Desk	1	
	Holder, sack, free standing	1	
	Stool, laboratory	1	
Group 4:	Bin, waste paper	1	
	Desk set	1	
Cost Guide (excluding Group 1)		£120	

5.3.3.4 *Chemical Pathology Biochemist (office area)*

		Quantity	*Notes*
Basic List			
Group 1:	Board, notice	1	
	Board, writing	1	
	Socket outlet, twin	1	
	Telephone	1	
Group 3:	Bookcase	1	
	Cabinent, filing, 4-drawer	1	
	Chair, semi-easy	1	
	Chair, desk	1	
	Chair, stacking	2	
	Desk	1	
	Locker, clothes	1	Or hooks
Group 4:	Bin, waste paper	1	
	Desk set	1	
	Rack, filing, 5-tier	1	
Cost Guide (excluding Group 1)		£170	

5.3.3.5 *Chemical Pathology Biochemist (laboratory area)*

		Quantity	*Notes*
Basic List			
Group 1:	Basin, lavatory with elbow action taps	1	
	Benching, laboratory	As required	
	Clock, electric	1	
	Cupboard, storage	1	
	Dispenser, soap	1	
	Gas point, twin outlet	1	
	Light fitting, adjustable	2	
	Mirror	1	
	Sink, laboratory and fittings	1	
	Socket outlet, twin	2	Per 5 ft. (1·5 m) bench length
Group 2:	Dispenser, paper towel	1	
Group 3:	Cabinet, filing, 4-drawer	1	
	Holder, sack, free standing	1	
	Stool, laboratory	2	
	Table, small	1	
Group 4:	Bin, waste paper	1	
	Bucket, 1½ gal. (7 litres)	1	Enamelled or plastics as required
Cost Guide (excluding Group 1)		£55	

5. **Basic Accommodation—Primary Space**

5.4 MICROBIOLOGY

5.4.1 *Clinical Microbiology*

5.4.1.1 *General laboratories*

		Quantity	*Notes*
Basic List			
Group 1:	Basin, lavatory with elbow operated taps	1	
	Benching, laboratory	As required	
	Board, notice	1	
	Board, writing	1	
	Carbon dioxide supply point	1	
	Clock, electric	1	May have sweep second hand
	Cupboards and drawers, storage, underbench	As required	
	Dispenser, soap	1	
	Gas point, twin outlet	1	Per 5 ft. (1·5 m) bench length
	Hydrogen supply point	1	
	Light fitting, adjustable	1	Per 10 ft. (3 m) bench length
	Shelving, overbench	As required	
	Sink, laboratory	1	
	Sink, staining	2	
	Socket outlet, twin	2	Per 5 ft. (1·5 m) bench length
	Telephone	1	
	Vacuum outlet	1	
Group 2:	Dispenser, paper towel	1	
Group 3:	Balance, type D	1	
	Balance, type A	1	
	Bath, water, approx. 18 in. x 12 in. x 12 in., adjustable to 100°C	3	
	Bath, water, shaking	1	
	Cabinet, low temperature	1	
	Centrifuge, type B	1	
	Centrifuge, type C with accessories (i), (ii) and (iv)	1	
	Holder, sack, free standing	1	
	Incubator, CO_2	1	
	Incubator, approx. 24 in. x 20 in. x 20 in. to 60°C	3	
	Microscope, type B and accessories	3	
	Microscope, type D and accessories with facilities for dark ground illumination	1	
	Microscope, type C	2	For examination of culture plates
	Mixer, vortex type	1	
	Plate, slide warming	2	
	Refrigerator, approx. 8 cu. ft.	2	
	Stirrer, magnetic	1	
	Stool, laboratory	9	
	Trolley, general purpose	1	
Group 4:	Bin, waste paper	3	
	Bucket, S/S	6	
	Clock, interval timer, 60 mins.	3	
	Glassware, laboratory, allocation	5	
	Jar, anaerobic	10	
	Laboratory sundries, allocation	4	
	Stopwatch	2	
	Tray, filing	3	
	Viewer, agglutination tube	1	
Cost Guide (excluding Group 1)		£5,600	
Additional List			
Group 3:	Bath, oil	1	
	Cabinet, filing, microscope slides	1	
	Chromatography apparatus, thin layer	1	
	Counter, colony	1	
	Phage typing machine	1	
	Slide staining machine, automatic	1	
	Slit sampler	1	
Cost Guide (Additional List)		£1,150	

5. **Basic Accommodation—Primary Space**

5.4 MICROBIOLOGY (continued)

5.4.1 *Clincial Microbiology* (continued)

5.4.1.2 *Media preparation and plate pouring*

		Quantity	*Notes*
Basic List			
Group 1:	Basin, lavatory with elbow action taps	1	
	Benching, laboratory	As required	
	Board, writing	1	
	Clock, electric	1	
	Cupboards and drawers, storage, under-bench	As required	
	Dispenser, soap	1	
	Gas point, twin outlet	1	Per 5 ft. (1·5 m) bench length
	Light fitting, adjustable	1	Per 10 ft. (3 m) bench length
	Shelving, over bench	As required	
	Sink, laboratory	1	
	Socket outlet, twin	2	Per 5 ft. (1·5 m) bench length
	Telephone	1	
	Vacuum outlet	1	
Group 2:	Dispenser, paper towel	1	
Group 3:	Balance, type B	1	
	Bath, water, approx. 18 in. x 12 in. x 12 in., adjustable to 100°C	1	
	Cabinet, plate drying	1	
	Holder, sack, free standing	1	
	Meter, pH, range 0–14H	1	
	Mincing machine	1	
	Oven, drying, agar plate	1	
	Ring, gas	1	
	Sterilizer, steam, Koch's type	1	
	Stool, laboratory	2	
	Trolley, general purpose	2	
Group 4:	Bin, waste	1	
	Bucket, S/S	4	
	Clock, interval timer, 60 mins.	2	
	Filter, membrane	6	
	Filling apparatus, automatic	1	
	Glassware, laboratory, allocation	2	
	Laboratory sundries, allocation	4	
Cost Guide (excluding Group 1)		£1,600	

5.4.1.3 *Serology*

		Quantity	*Notes*
Basic List			
Group 1:	Basin, lavatory with elbow action taps	1	
	Benching, laboratory	As required	
	Board, writing	1	
	Clock, electric	1	May have a sweep second hand
	Cupboards and drawers, storage, under-bench	As required	
	Dispenser, soap	1	
	Gas point, twin outlet	1	Per 5 ft. (1·5 m) bench length
	Light fitting, adjustable	1	Per 10 ft. (3 m) bench length.
	Sink, laboratory	1	
	Socket outlet, twin	2	Per 5 ft. (1·5 m) bench length
	Telephone	1	
	Vacuum outlet	1	
Group 2:	Dispenser, paper towel	1	
Group 3:	Balance, type D	1	
	Bath, water, approx. 18 in. x 12 in. x 12 in., adjustable to 100°C	4	
	Box, viewing	1	
	Cabinet, low temperature approx. 4 cu. ft.	1	

5.4.1.3 *Serology* (continued)

		Quantity	*Notes*
Basic List			
Group 3: (contd.)	Centrifuge, type B	2	
	Dryer, pipette	1	
	Holder, sack, free standing	1	
	Incubator, approx. 24 in. x 20 in. x 20 in., adjustable to 60°C	1	
	Microscope, type A and accessories	1	
	Refrigerator, approx. 8 cu. ft.	1	
	Shaking machine	1	
	Stool, laboratory	3	
	Washer, pipette	1	
Group 4:	Bin, waste paper	1	
	Clock, interval timer	1	
	Filter, Seitz type	4	
	Glassware, laboratory, allocation	2	
	Holder, membrane filter	4	
	Laboratory sundries, allocation	4	
	Stopwatch	1	
	Tray, filing	3	
Cost Guide (excluding Group 1)		£1,450	
Additional List			
Group 3:	Dryer, freeze with trolley	1	For use throughout Department
	Microtitration apparatus complete	1	
Cost Guide (Additional List)		£470	

5.4.1.4 *TB bacteriology*

		Quantity	*Notes*
Basic List			
Group 1:	Basin, lavatory with elbow action taps	1	
	Benching, laboratory	As required	
	Board, writing	1	
	Cabinet, protective with filtered air extractor	2	
	Clock, electric	1	May have a sweep second hand
	Cupboards and drawers, storage, under-bench	As required	
	Dispenser, soap	1	
	Gas point, twin outlet	1	Per 5 ft. (1·5 m) bench length
	Light fitting, adjustable	1	Per 10 ft. (3 m) bench length
	Shelving, overbench	As required	
	Sink, laboratory with fittings	1	
	Slop hopper	1	
	Socket outlet, twin	2	Per 5 ft. (1·5 m) bench length
	Telephone	1	
	Vacuum outlet	1	
Group 2:	Dispenser, paper towel	1	
Group 3:	Balance, type D	1	
	Centrifuge, type C, with accessories (i), (ii) and (iv)	1	
	Incubator, approx. 24 in. x 20 in. x 20 in., adjustable to 60°C	2	
	Microscope, type B and accessories with facilities for fluorescence microscopy	1	
	Refrigerator, capacity 4 cu. ft.	1	
	Shaking machine	1	
	Stool, laboratory	4	
Group 4:	Bin, waste paper	1	
	Clock, interval timer	1	
	Glassware, laboratory, allocation	2	
	Laboratory sundries, allocation	4	
	Tray, filing	1	
Cost Guide (excluding Group 1)		£1,700	

5. **Basic Accommodation—Primary Space**

5.4 MICROBIOLOGY (continued)

5.4.1 *Clinical microbiology* (continued)

5.4.1.5 *Chief Technician*

		Quantity	*Notes*
Basic List			
Group 1:	Basin, lavatory with elbow action taps	1	
	Benching, laboratory	As required	
	Board, notice	1	
	Board, writing	1	
	Cupboards and drawers, storage, underbench	As required	
	Dispenser, soap	1	
	Gas point, twin outlet	1	
	Hook, clothes	2	
	Intercom system	1	Loud speaking type
	Light fitting, adjustable	1	
	Mirror	1	
	Shelving, overbench	As required	
	Sink, laboratory	1	
	Socket outlet, twin	2	
	Telephone	1	
Group 2:	Dispenser, paper towel	1	
Group 3:	Bookcase	1	
	Cabinet, filing, 4-drawer	1	
	Chair, desk	1	
	Desk	1	
	Holder, sack, free standing	1	
	Microscope, type B and accessories	1	
	Stool, laboratory	2	
Group 4:	Bin, waste paper	1	
	Desk set	1	
Cost Guide (excluding Group 1)		£620	
Additional List			
Group 3:	Autoclave, bench	1	
Group 4:	Microscope accessories	1	For slide projection and teaching
Cost Guide (Additional List)		£130	

5.4.2 *Virology*

		Quantity	*Notes*
Basic List			
Group 1:	Basin, lavatory with elbow action taps	1	
	Benching, laboratory	As required	
	Board, notice	1	
	Board, writing	1	
	Cabinet, protective	1	
	Clock, electric	1	
	Cupboard and drawers, storage	As required	
	Dispenser, soap, foot operated	1	
	Gas point, twin outlet	1	Per 5 ft. (1·5 m) bench length
	Light fitting, adjustable	1	Per 10 ft. (3 m) bench length
	Shelving, overbench	As required	
	Sink, laboratory	1	
	Socket outlet, twin	2	Per 5 ft. (1·5 m) bench length
	Telephone	1	
Group 2:	Dispenser, paper towel	1	

		Quantity	*Notes*
Basic List			
Group 3:	Bath, water, approx. 18 in. x 12 in. x 12 in., adjustable to 100°C	1	
	Cabinet, filing, foolscap	1	
	Cabinet, low temperature, –40°C	1	
	Cabinet, low temperature approx. 4 cu. ft.	1	
	Centrifuge, type B	2	
	Container, insulated	1	For storage of CO_2 blocks
	De-ioniser, water, portable	1	
	Holder, sack, free standing	3	
	Homogeniser	1	
	Incubator, approx. 24 in. x 20 in. x 20 in., adjustable to 60°C	2	
	Microscope, type B and accessories	1	
	Microscope, type E and accessories	2	
	Refrigerator, approx. 4 cu. ft.	1	
	Stool, laboratory	4	
	Tissue culture apparatus, roll drum	1	
	Washer, pipette, automatic	1	
Group 4:	Bucket with lid, S/S	4	For discarding infected material for autoclaving
	Clock, interval timer	1	
	Glassware, laboratory, allocation	2	
	Holder, membrane filter	4	
	Laboratory sundries, allocation	4	
Cost Guide (excluding Group 1)		£3,700	
Additional List			
Group 1:	Centrifuge, type A	1	
Group 3:	Autoclave, bench	1	
	Balance, type E	1	
	Incubator, egg	1	
	Microtitration apparatus, complete	1	
	Microscope, inverted	2	For roller tubes
Group 4:	Box, egg candling	1	
	Container, liquid nitrogen	1	
	Drill, egg	1	
Cost Guide (Additional List)		£750	

5.4.3 *Office/Laboratories*

5.4.3.1 *Consultant (office area)*

		Quantity	*Notes*
Basic List			
Group 1:	Board, notice	1	
	Board, writing	1	
	Intercom system	1	
	Socket outlet, twin	1	
	Telephone	1	
Group 3:	Bookcase	1	
	Cabinet, filing, 4-drawer	1	
	Chair, semi-easy	1	
	Chair, desk	1	
	Chair, stacking	2	
	Desk	1	
	Dictating machine	1	
	Locker, clothes	1	Or hooks
Group 4:	Bin, waste paper	1	
	Desk set	1	
	Rack, filing, 5-tier	1	
Cost Guide (excluding Group 1)		£245	

5. **Basic Accommodation—Primary Space**

5.4 MICROBIOLOGY (continued)

5.4.3 *Office/Laboratories* (continued)

5.4.3.2 *Consultant (laboratory area)*

		Quantity	*Notes*
Basic List			
Group 1:	Basin, lavatory with elbow action taps	1	
	Benching, laboratory	As required	
	Clock, electric	1	
	Cupboard, storage	As required	
	Dispenser, soap	1	
	Gas point, twin outlet	1	
	Light fitting, adjustable	2	
	Mirror	1	
	Sink, laboratory and fittings	1	
	Socket outlet, twin	2	Per 5 ft. (1·5 m) bench length
Group 2:	Dispenser, paper towel	1	
Group 3:	Cabinet, filing, 4-drawer	1	
	Holder, sack, free standing	1	
	Microscope, type D and accessories, with projection facilities, dark ground illumination and fluorescence	1	
	Stool, laboratory	2	
	Table, small	1	
Group 4:	Bin, waste paper	1	
	Bucket, 1½ gallon (7 litres)	1	Enamelled or plastics as required
Cost Guide (excluding Group 1)		£780	

5.4.3.3 *Registrar*

		Quantity	*Notes*
Basic List			
Group 1:	Basin, lavatory with elbow action taps	1	
	Benching, laboratory	As required	
	Board, writing	1	
	Dispenser, soap	1	
	Gas point, twin outlet	1	
	Hook, clothes	2	
	Light fitting, adjustable	1	
	Mirror	1	
	Shelving	As required	
	Sink, laboratory and fittings	1	
	Socket outlet, twin	2	Per 5 ft. (1·5 m) bench length
	Telephone	1	
Group 2:	Dispenser, paper towel	1	
Group 3:	Bookcase	1	
	Cabinet, filing, 4-drawer	1	
	Chair, desk	1	
	Chair, stacking	1	
	Desk	1	
	Holder, sack, free standing	1	
	Microscope, type B and accessories	1	
	Stool, laboratory	1	
Group 4:	Bin, waste paper	1	
	Desk set	1	
Cost Guide (excluding Group 1)		£620	

6. Basic Accommodation—Secondary Space

6.1 PATIENT AREAS

6.1.1 *Entrance and waiting area*

		Quantity	*Notes*
Basic List			
Group 1:	Board, notice	1	
	Clock, double-faced, ceiling suspended	1	
	Socket outlet, single	1	
Group 3:	Chairs, various	24	A variety of chairs of matching designs, upright and easy, with and without arms, may be desirable
	Stand, hat, coat and umbrella	1	
	Table, occasional with magazine rack	3	
Group 4:	Bin, waste paper	2	
Cost Guide (excluding Group 1)		£170	

6.1.2 *Examination room—general purpose*

		Quantity	*Notes*
Basic List			
Group 1:	Basin, lavatory with elbow action taps	1	
	Cupboard, storage, small	1	
	Dispenser, soap	1	
	Drinking water point	1	
	Hook, clothes	2	
	Lamp fitting, adjustable	1	
	Socket outlet, twin	2	
Group 2:	Dispenser, paper towel	1	
Group 3:	Chair, semi-easy	1	
	Chair, desk	1	
	Chair, stacking	2	
	Couch, examination with cover dispenser	1	
	Desk	1	
	Holder, sack, free standing	2	
	Scales, weighing, patients'	1	
	Stool, couch mounting	1	
	Stool, surgeon's	1	
	Trolley, dressing/instrument, S/S	1	
Group 4:	Blanket	4	
	Glass, specimen	1	
	Pillow	2	
	Pillowcase	6	
	Sheet, draw	6	
	Sphygmomanometer	1	
	Tourniquet	1	
	Tray, instrument, S/S	1	
Cost Guide (excluding Group 1)		£360	

6. Basic Accommodation—Secondary Space

6.1 PATIENT AREAS (continued)

6.1.3 *Examination room—venepuncture*

		Quantity	Notes
Basic List			
Group 1:	Basin, lavatory with elbow action taps	1	
	Cupboard, storage	1	
	Dispenser, soap	1	
	Drinking water point	1	
	Hook, clothes	4	
	Socket outlet, twin	2	
Group 2:	Dispenser, paper towel	1	
Group 3:	Chair, stacking	2	
	Couch, examination with cover dispenser	2	Or special chair for venepunctures
	Holder, sack, free standing	2	
	Stool, couch mounting	2	
	Trolley, dressing/instrument, S/S	1	
Group 4:	Blanket	8	
	Glass, specimen	2	
	Pillow	4	
	Pillowcase	12	
	Sheet, draw	12	
	Tourniquet	2	
	Tray, instrument, S/S	2	
Cost Guide (excluding Group 1)		£225	

6.1.4 *Patients' lavatories*

Equipment is shown on a unit basis

		Quantity		Notes
		Male	*Female*	
Basic List				
Group 1:	Basin, lavatory with pillar taps	1	1	
	Dispenser, soap	1	1	
	Drinking water point	1	1	
	Hook, clothes	2	2	
	Mirror	1	1	
	Shelf	1	1	
	Toilet paper fitting	1	1	
	Urinal	1	–	
	WC suite or clinette	1	1	
Group 2:	Dispenser, paper towel	1	1	
Group 3:	Holder, sack, free standing	2	2	
Group 4:	Brush, lavatory and holder	1	1	
Cost Guide (excluding Group 1)		£13	£13	

6. **Basic Accommodation—Secondary Space**

6.2 OFFICES AND STAFF ROOMS

6.2.1 *Reception, general office and records*

6.2.1.1 *Reception of patients*

		Quantity	*Notes*
Basic List			
Group 1:	Board, notice	1	
	Clock, electric	1	
	Counter, reception	1	With counter type bell
	Cupboard, lockable	1	
	Grill or sliding panel	1	
	Socket outlet, single	1	
	Telephone	1	
Group 3:	Stool, high	1	
Group 4:	Bin, waste paper	1	
	Desk set	1	
	Sundry office requisites, allocation	1	
Cost Guide (excluding Group 1)		£11	

6.2.1.2 *Reception, recording and distribution of specimens*

		Quantity	*Notes*
Basic List			
Group 1:	Basin, lavatory with elbow action taps	1	
	Clock, chronostamp	1	
	Counter	1	With counter type bell
	Cupboard	1	Under counter
	Dispenser, soap	1	
	Grill or sliding panel	1	
	Hood, extractor	1	Over counter
	Mirror	1	
	Socket outlet, single	1	
	Telephone	1	
Group 2:	Dispenser, paper towel	1	
Group 3:	Bench or table	1	For specimen sorting
	Chair, desk	1	
	Desk	1	
	Holder, sack, free standing	1	
	Refrigerator, small	1	For temporary storage of certain specimens
	Table, small	1	
Group 4:	Bin, waste	1	
	Desk set	1	
	Sundry office requisites, allocation	1	
	Tray, filing	1	
Cost Guide (excluding Group 1)		£105	

6.2.1.3 *Clerical suite*

		Quantity	*Notes*
Basic List			
Group 1:	Bench	1	In duplicating room
	Board, notice	1	
	Cupboard, underbench	1	In duplicating room
	Hook, clothes	As required	
	Socket outlet, single	8	
	Telephone	1	

		Quantity	*Notes*
Basic List			
Group 3:	Cabinet, card index	1	
	Cabinet, filing, 4-drawer	1	
	Chair, typist	5	
	Chair, stacking	1	
	Cupboard, stationery	1	
	Desk, typist	5	
	Dictating machine	1	
	Typewriter	5	
Group 4:	Bin, waste paper	5	
	Sundry office requisites, allocation	5	
	Tray, filing	10	
Cost Guide (excluding Group 1)		£640	
Additional List			
Group 1:	Basin, lavatory	1	In duplicating room
	Dispenser, soap	1	In duplicating room
	Mirror	1	In duplicating room
Group 2:	Dispenser, paper towel	1	In duplicating room
Group 3:	Holder, sack, free standing	1	In duplicating room
	Photocopying machine	1	In duplicating room
Cost Guide (Additional List)		£170	

6.2.2 *Staff changing* (*male*)

Similar requirements for female staff except where stated

		Quantity	*Notes*
Basic List			
Group 1:	Coil, heating	As required	Or hot air convectors
	Mirror	As required	Long in female areas
	Shelf	1	
	Seating, bench	As required	
Group 3:	Locker, clothes, single	15	
Group 4:	Bin, waste paper	1	
Cost Guide (excluding Group 1)		£155	

6.2 OFFICES AND STAFF ROOMS (continued)

6.2.3 *Staff lavatories*

The equipment shown below is on a unit basis

		Quantity		Notes
		Male	*Female*	
Basic List				
For WC cubicles				
Group 1:	Hook, clothes	1	1	
	Shelf	–	1	
	Toilet paper fitting	1	1	
	Urinal	1	–	
	WC suite	1	1	
Group 3:	Bin, sanitary	–	1	
Group 4:	Brush, lavatory and holder	1	1	
Cost Guide (excluding Group 1)		£1	£4	
Wash-area				
Group 1:	Basin, lavatory	1	1	
	Dispenser, soap	1	1	For each basin
	Hook, clothes	1	1	
	Mirror	1	1	
	Shelf	1	1	
Group 2:	Dispenser, paper towel	1	1	
Group 3:	Holder, sack, free standing	1	1	
Group 4:	Brush, nail	1	1	For each basin
Cost Guide (excluding Group 1)		£7	£7	

6.2.4 *Staff rooms*

		Quantity	Notes
Basic List			
Group 1:	Board, notice	1	
	Boiler, water, instantaneous, electric	1	Or electric kettle
	Clock, electric	1	
	Cupboard, storage, small	1	
	Drinking water point	1	
	Sink, wash-up	1	
	Socket outlet, twin	1	
	Worktop	1	
Group 2:	Dispenser, paper tea towel	1	
Group 3:	Chairs, various	32	A variety of chairs of matching designs, upright and easy, with and without arms, may be desirable
	Holder, sack, free standing	1	
	Rack, magazine	2	
	Refrigerator, approx. 2 cu. ft.	1	
	Table, occasional, low	6	
Group 4:	Bin, waste paper	1	
	Container, sugar	1	
	Container, tea	1	
	Cup, tea	12	
	General decorative features, allocation	1	e.g., plant troughs, pictures, vases, etc.
	Jug, milk	1	
	Saucer	12	
	Sink tidy	1	
	Spoon, tea	12	
	Strainer, tea	1	
	Teapot, S/S	1	
	Tray, tea	1	
Cost Guide (excluding Group 1)		£550	

6. Basic Accommodation—Secondary Space

6.3 SUPPLY AND PROCESSING AREAS

6.3.1 *Chemical preparation*

		Quantity	*Notes*
Basic List			
Group 1:	Balance top, vibration free	1	
	Bench, dry weighing for balances	1	
	Bench, wet preparation with drain holes	1	
	Cupboard, underbench	3	
	Cupboard, underbench and drawer (under wet bench)	1	
	Cupboard, glassware	1	
	Compressed air point	2	
	Gas point, twin outlet	2	
	Shelves, adjustable and/or cupboards	As required	For storage of chemicals
	Sink, double	1	Hot and cold tap on each sink and an additional cold supply for a pipette washer
	Socket outlet, twin	2	Per 5 ft. (1·5 m) bench length
	Still, 8 litres/hr.	1	
	Vacuum outlet	2	
Group 2:	Dispenser, paper towel	1	
Group 3:	Balance, type A	2	
	Balance, type B	1	
	Balance, type C	1	
	Hotplate, rectangular	1	
	Hotplate and magnetic stirrer	1	
	Ladder, step	1	
	Meter, pH, range 0–14H	1	
	Oven, approx. 12 in. x 12 in. x 12 in., adjustable to 200°C	1	
	Shaker, flask	1	
	Stirrer, magnetic	1	
	Stool, laboratory	3	
	Trolley, general purpose	1	
	Washer, pipette	1	
Group 4:	Bin, waste paper	1	
	Glassware, laboratory, allocation	5	
	Laboratory sundries, allocation	4	
Cost Guide (excluding Group 1)		£1,800	
Additional List			
Group 3:	Solvent distillation equipment	1	Subject to requirements
Cost Guide (Additional List)		£15	

6.3.2 *Stores*

		Quantity	*Notes*
Basic List			
Group 1:	Cupboard, storage	As required	
	Racking, storage	As required	
Group 3:	Chair, stacking	1	
	Ladder, step	1	
	Table, small	1	
	Trolley, general purpose	1	
	Trolley, sack	1	
Group 4:	Bin, waste paper	1	
	Tools, case opening, set	1	Subject to requirements
Cost Guide (excluding Group 1)		£80	

6.3.3 *Outfit preparation*

		Quantity	*Notes*
Basic List			
Group 1:	Basin, lavatory with pillar taps	1	
	Board, writing	1	
	Cupboard, storage	As required	
	Shelves or racking	As required	
	Socket outlet, twin	2	
	Worktop	As required	
Group 2:	Dispenser, paper towel	1	
Group 3:	Holder, sack, free standing	1	
	Labelling machine	1	
	Stool, laboratory	2	
Group 4:	Bin, waste paper	1	
Cost Guide (excluding Group 1)		£85	

6.3.4 *Central wash-up and sterilizing*

		Quantity	*Notes*
Basic List			
Group 1:	Autoclave	3	
	Basin, lavatory with elbow action taps	1	
	Cupboard, storage	As required	
	Dispenser, soap	1	
	Sink, S/S, wash-up (twin)	3	
	Slop hopper	1	
	Socket outlet, twin	As required	
	Still, steam	1	If steam supply is not available the still may be heated by either gas or electricity
	Sterilizer, dry heat	1	
	Washer, laboratory glassware, automatic	1	}
	Cabinet, drying, large	1	}
	Worktop	As required	In conjunction with sinks
Group 2:	Dispenser, paper towel	1	
Group 3:	Bin, discard, solid bottom	1	To suit autoclave
	Bin, heavy polythene	4	For chromic acid
	Brushing machine, electric	1	For test tube washing
	Holder, sack, free standing	1	
	Oven, dry heat, 24 in. x 20 in. x 18 in. with fan	2	
	Oven, hot air, approx. 18 in. x 18 in. x 15 in., adjustable to 180°C	1	
	Sterilizer, steam, Koch type	1	
	Stool, laboratory	2	
	Trolley, general purpose	3	
	Washer, pipette, automatic	2	
Group 4:	Apron, rubber	4	
	Basket, wire	8	Subject to requirements
	Bin, waste paper	1	
	Bowl, plastics	10	
	Bucket, mop	1	
	Bucket, plastic	4	
	Brush, hand	1	
	Clock, interval timer	1	
	Laboratory sundries, allocation	4	
Cost Guide (excluding Group 1)		£1,050	

6.4 SPECIAL ROOMS

6.4.1 *Morbid anatomy slides and blocks*

		Quantity	*Notes*
Basic List			
Group 1:	Ladder	As required	Floor to ceiling system
	Shelving, 2 ft. deep	As required	From floor to ceiling to hold block filing trays
	Socket outlet, single	1	
Group 3:	Cabinet, filing, slides	1	
Cost Guide (excluding Group 1)		£18	

6.4.2 *Hot room*

		Quantity	*Notes*
Basic List			
Group 1:	Heating unit, thermostatically controlled	As required	
	Shelving, storage	As required	
	Socket outlet, single	1	
	Thermometer, recording	1	
	Worktop	As required	
Cost Guide (excluding Group 1)		£–	

6.4.3 *Cold room*

		Quantity	*Notes*
Basic List			
Group 1:	Cooling plant, automatic	1	With drainage trays
	Lamp, indicating	1	Fixed o/s to indicate when fan and compressor are working
	Shelving, storage	As required	
	Signal, plant working	2	
	Socket outlet, single	1	
	Thermometer, recording	1	
	Worktop	1	
Cost Guide (excluding Group 1)		£–	

6.4.4 *Blood bank*

		Quantity	*Notes*
Basic List			
Group 1:	Refrigeration unit	As required	With suitable alarm and temperature recording device
	Shelving	As required	
	Socket outlet, single	1	
Group 3:	Container, blood bottles, insulated, complete	10	For transport of blood bottles. Subject to requirements
Cost Guide (excluding Group 1)		£140	

6.4.5 *Fluorescent microscopy*

		Quantity	*Notes*
Basic List			
Group 1:	Blinds, blackout	As required	
	Cupboard, storage, under worktop	As required	
	Socket outlet, twin	2	
	Worktop	1	
Group 3:	Microscope, type B and accessories	1	With facilities for fluorescence microscopy
	Stool, laboratory	1	
Group 4:	Laboratory sundries, allocation	2	
Cost Guide (excluding Group 1)		£660	

6.4.6 *Workshop*

		Quantity	*Notes*
Basic List			
Group 1:	Compressed air point	1	
	Cupboard, storage, drawer and shelf	As required	
	Dispenser, soap	1	
	Drill, electric with stand	1	
	Gas point, twin outlet	1	
	Oxygen supply point	1	
	Sink, Belfast	1	
	Socket outlet, twin	3	
	Telephone	1	
	Workbench with fitted vice	1	Special features, i.e., asbestos top and suitable background may be required for glass blowing
Group 2:	Dispenser, paper towel	1	
Group 3:	Holder, sack, free standing	1	
	Iron, soldering, approx. 30 watts	1	
	Iron, soldering, approx. 60 watts	1	
	Stool, laboratory	2	
Group 4:	Blowpipe, glass blowing	1	
	Callipers (pr.)	1	
	Clamps (pr)	2	
	Cutter, glass tube (pr)	1	
	Cutter, sheet metal (pr)	1	
	Drill, hand	1	
	Drill, twist, high speed (set)	1	
	Drill, twist, glass (set)	2	
	Files, various	6	
	File, needle	12	
	File, glass cutting	12	
	Hacksaw	1	
	Hammer	1	
	Keys, Allen (set)	1	
	Micrometer	1	
	Meter, multi-range, portable	1	
	Pliers, snipe-nosed (pr)	1	
	Pliers, round-nosed (pr)	1	
	Pliers, diagonal cutting (pr)	1	
	Punch, centre	1	
	Rule, steel	1	
	Screwdriver, ratchet	1	
	Screwdriver, instrument (set)	1	
	Scriber	1	
	Spanners, various (set)	2	
	Spectacles, tinted (pr)	2	For glass blowing
	Stripper, wire	1	
	Tools, glass blowing (set)	1	
	Tools, carpenters (set)	1	
	Workshop sundries, allocation	1	
	Velometer	1	
Cost Guide (excluding Group 1)		£360	

		Quantity	*Notes*
Additional List			
Group 1:	Lathe, small, power operated	1	
	Saw, circular, electric	1	
Cost Guide (Additional List)		£–	

6.4.7 *Cleaners' room*

		Quantity	*Notes*
Basic List			
Group 1:	Dispenser, soap	1	
	Drainer or worktop	1	
	Rail, drying	As required	
	Rail, hanging with hooks	As required	
	Shelves, storage	As required	
	Sink, wash-up	1	
	Sink, low level	1	For waste disposal
Group 2:	Dispenser, paper towel	1	
Group 3:	Cleaner, suction	1	
	Holder, sack, free standing	1	
	Trolley, bucket wringer	1	
	Trolley, cleaner's	1	
Group 4:	Cleaning utensils, allocation	1	
Cost Guide (excluding Group 1)		£145	
Additional List			
Group 3:	Scrubber/polisher	1	
Cost Guide (Additional List)		£100	

6.4.8 *Disposal room*

		Quantity	*Notes*
Basic List			
Group 1:	Shelves, storage	As required	
	Sink, low level	1	For waste disposal
	Socket outlet, single	1	
	Worktop, small	As required	
Group 3:	Holder, sack, free standing	4	
Cost Guide (excluding Group 1)		£25	

6. **Basic Accommodation—Secondary Space**

6.5 DEPARTMENTAL ITEMS

		Quantity	*Notes*
Basic List			
Group 1:	Directional signs, door labelling/numbering	As required	
	Shower	4	Strategically placed for emergency use
	Telephone, coin operated	1	
Group 2:	Box, first aid	1	See Handbook—"Safety in Path Labs".
	Fire fighting equipment (e.g. hose reels, extinguishers, buckets, etc.), allocation	1	
Group 4:	Books, allocation	1	
	Coat, laboratory	50	
	Curtain, window, pair	30	
	First aid kit	8	
	Gloves, asbestos and rubber, pairs	30	
	Goggles, protective, etc.	20	
	Gown, post-mortem	25	
	Laboratory sundries, allocation	1	See Handbook—"Safety in Path Labs"
	Overalls, pairs	50	
	Syringes	100	
Cost Guide (excluding Group 1)		£1,100	

7. **Additional Accommodation**

7.1 LECTURE ROOM/LIBRARY/MUSEUM

		Quantity	*Notes*
Basic List			
Group 1:	Basin, lavatory	1	
	Bench, demonstration	1	
	Blinds, blackout	As required	
	Board, notice	1	
	Board, writing	As required	
	Clock, electric	1	
	Cupboards and shelves, storage	As required	
	Dais	1	
	Direct lighting for board, writing	As required	
	Dispenser, soap	1	
	Illuminator, X-ray, twin	1	
	Shelves, display and cases	As required	
	Screen, projector	1	
	Socket outlet, twin	2	
	Storage	As required	
	Telephone	1	
	Wall fixture for chart display	1	
Group 2:	Dispenser, paper towel	1	
Group 3:	Cabinet, filing, microscope slides	1	
	Cabinet, card index, 4-drawer	2	
	Cabinet, filing, 4-drawer	2	
	Chairs	10	
	Chair, stacking	1	
	Chair, stacking with writing arms	30	
	Desk or table, clerk's	1	
	Holder, sack, free standing	1	
	Ladder, step	1	
	Projector, film	1	
	Projector, slide	1	
	Stand, double sloping supports	1	
	Stand, projector	1	
	Table	1	Subject to requirements
Group 4:	Bin, waste paper	2	
	Books, allocation	1	
	Carafe, water and tumbler	1	
	Pointer, board, writing	1	
Cost Guide (excluding Group 1)		£1,800	
Additional List			
Group 3:	Projector, overhead	1	
Cost Guide (Additional List)		£130	

7. Additional Accommodation

7.2 PRACTICAL TRAINING

		Quantity	*Notes*
Basic List			
Group 1:	Basin, lavatory with elbow action taps	1	
	Benching, laboratory	As required	
	Board, writing	1	
	Cupboards and drawers, storage	As required	
	Dispenser, soap	1	
	Gas point, twin outlet	1	
	Light fitting, adjustable	1	Per 15 ft. (4·5 m) bench length
	Mirror	1	
	Shelving	As required	
	Sink laboratory	1	
	Socket outlet, twin	2	Per 5 ft. (1·5 m) bench length
Group 2:	Dispenser, paper towel	1	
Group 3:	Balance, type D	1	
	Bath, water, approx. 18 in. x 12 in. x 12 in., adjustable to 100°C	1	
	Centrifuge, type B	1	
	Holder, sack, free standing	1	
	Microscope, type B and accessories	1	
	Stool, laboratory	4	
Group 4:	Bin, waste paper	1	
	Glassware, laboratory, allocation	4	
	Laboratory sundries, allocation	4	
	Stopwatch	1	
Cost Guide (excluding Group 1)		£1,100	

7.3 RESEARCH

		Quantity	*Notes*
Basic List			
Group 1:	Basin, lavatory with elbow action taps	1	
	Benching, laboratory	As required	
	Board, writing	1	
	Cupboards and drawers, storage	As required	
	Dispenser, soap	1	
	Gas point, twin outlet	1	
	Light fitting, adjustable	1	Per 15 ft. (4·5 m) bench length
	Mirror	1	
	Shelving	As required	
	Sink, laboratory	1	
	Socket outlet, twin	2	Per 5 ft. (1·5 m) bench length
	Telephone	1	
Group 2:	Dispenser, paper towel	1	
Group 3:	Balance, type D	1	
	Bath, water, approx. 18 in. x 12 in. x 12 in., adjustable to 100°C	1	
	Centrifuge, type B	1	
	Holder, sack, free standing	1	
	Microscope, type B and accessories	1	
	Stool, laboratory	4	
Group 4:	Bin, waste paper	1	
	Glassware, laboratory, allocation	4	
	Laboratory sundries, allocation	4	
	Stopwatch	1	
Cost Guide (excluding Group 1)		£1,100	

7.4 DARKROOM

		Quantity	*Notes*
Basic List			
Group 1:	Cupboards and drawers, storage	As required	
	Dispenser, soap	1	
	Fan, extractor	1	
	Hopper, waste	1	
	Illuminator, X-ray, twin	1	
	Safe light	1	With indicator outside room
	Sink, shallow with thermostatic mixing valve	1	
	Socket outlet, twin	1	
	Wall brackets for film hangers	1	
	Worktop incorporating waste receptacle	As required	
Group 2:	Dispenser, paper towel	1	
	Timer, clockwork	1	
Group 3:	Cabinet, drying	1	
	Enlarger	1	If required
	Holder, sack, free standing	1	
	Photomicrography equipment, horizontal or vertical	1	
	Stool, laboratory	1	
	Tank, processing, S/S or rubber	1	
	Washer, print	1	
Group 4:	Bin, waste paper	1	
	Bucket, 1½ gal. (7 litres)	2	Enamelled or plastics as required
	Carrier, wet film	1	
	Cassette with intensifying screen	1	Subject to requirements
	Dishes, various, allocation	1	
	Funnels, various, allocation	1	
	Frame, masking	1	
	Hanger, film, dental	3	
	Hanger, film, various, allocation	1	
	Measures, allocation	1	Subject to requirements
	Sundries, allocation	1	
	Tank, deep	1	
	Thermometer, tank	2	
Cost Guide (excluding Group 1)		£1,550	

7.5 STAFF DUTY ROOM

		Quantity	*Notes*
Basic List			
Group 1:	Basin, lavatory with pillar taps	1	
	Board, notice	1	
	Clock, electric	1	
	Dispenser, soap	1	
	Drinking water point	1	
	Hook, clothes	2	
	Mirror	1	
	Nurse call, audible	1	
	Socket outlet, twin	1	
	Telephone	1	
Group 2:	Dispenser, paper towel	1	
Group 3:	Bed/divan base	1	
	Chair, stacking	1	
	Fire, electric	1	
	Holder, sack, free standing	1	
	Lamp, reading	1	
	Locker, bedside	1	
	Table, small	1	
	Mattress	1	
	Wardrobe	1	
Group 4:	Bin, waste paper	1	
	Blanket	3	
	Counterpane	1	
	Cover, pillow	3	
	Pillowcase	6	
	Sheet	4	
	Towel, hand	3	
Cost Guide (excluding Group 1)		£155	

Health Equipment Note No. 15 (Revised) Appendix 8.1
Pathology Department

DEPARTMENTAL COST SUMMARY

To be read in conjunction with the explanatory notes in Section 4 of this Equipment Note and Section IV of Hospital Equipment Note No. 1.

The room cost guide figures for basic equipment (Groups 2, 3 and 4) applied to standard schedules of basic accommodation suggest departmental equipment cost totals of the following order:

Primary Space	£121,750
Secondary Space	£8,025
Total	£129,775

In these totals no account is taken of the following:

1. Equipment required for basic accommodation additional to the basic list, some guidance on which is given under the appropriate rooms.
2. Equipment required in "additional accommodation", cost guides for which are shown on the appropriate pages as for basic accommodation.

Appendix 8.2

BRITISH STANDARDS

Guidance is given below on the British Standards considered appropriate for certain items listed in this Equipment Note. However, it is not the intention to imply that an item in a material other than that to which the British Standard relates is necessarily inappropriate.

Group	*Item*	*B.S.*	*Group*	*Item*	*B.S.*
1	Autoclaves	2646 & 3970	4	Apron, rubber	2507
	Chalkboard	3030 Pt IV		Blanket	1681
	Cupboard, fume-filters	3928		Bowl, plastic	3094 Pt I
				Bucket, mop	3034
2	Dispenser, paper towel	1439		Bucket, plastic	3094 Pt II
				Cup, tea	3542
3	Centrifuges	4402		Drill, hand	2556
	Cabinet, filing	4438		Drill, set of six	328
	Chair, desk	3893		Files, various	498
	Chair, typist	3893		Forceps, dissecting, ordinary	2821
	Chair, stacking	3893		Forceps, dissecting, toothed	3741
	Cleaner, vacuum	3028		Forceps, Spencer Wells	3355
	Couch, examination	2838		Goggles, protective, etc.	2092
	Desk	3893		Haemacytometer	748
	Desk, typist	3893		Hammer	876
	Fire, electric	3456: A2		Hanger, film, various	2753
	Hotplate, electric	3456:A12		Pillow	1899
	Kettle, electric	3456: A3		Pliers, round-nosed	3087
	Ladder, platform type	3844		Pliers, snipe-nosed	3087
	Ladder, step	1893		Saucer	3542
	Locker, clothes	4680		Scalpels, various	2820/2982
	Matting, cork	3959		Scissors, various	3646
	Mattress	1877 Pt I		Screwdriver, ratchet	2584
	Microscope and accessories	3836		Sheet, draw	1781
	pH meter	3422		Sphygmomanometer	2743 or 2744
	Refrigerator	2501 & 4376		Tank, processing, S/S	2476
	Scales, weighing, patients'	1887		Tubing (In conjunction with flame photometers)	3212
	Sterilizing oven	3421			
	Stool, surgeon's	3622			
	Trolley, dressing/instrument	4068			
	Trolley, general purpose	3132			

Department of Health and Social Security
Welsh Office
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